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GEOCON

GEOCON PROJECT NO. 08175-06-08 **SEPTEMBER 9, 2015**

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Project No. 08175-06-08
September 9, 2015

Mr. Terry Plowden
Douglas Wilson Companies
1620 Fifth Avenue, Suite 400
San Diego, California 92101

Subject: PHASE II ENVIRONMENTAL SITE ASSESSMENT
SWEETWATER VISTAS
SPRING VALLEY, CALIFORNIA

Dear Mr. Plowden:

As you requested on behalf of Douglas Wilson Companies, we have performed a Phase II Environmental Site Assessment (ESA) for portions of the proposed Sweetwater Vistas development located west of the intersection of Sweetwater Springs Boulevard and Jamacha Boulevard (the Site) in Spring Valley, California. The Site is further defined by the following seven County of San Diego Assessor Parcel Numbers: 505-672-03, -07, -09, -10, -23, -32, and -37. The purpose of the Phase II ESA was to evaluate the following recognized environmental conditions that were identified in our Phase I ESA, dated October 31, 2014:

- The undocumented fill placed in the eastern portion of the site between 1990 and 2005,
- The potential presence of pesticides based on agricultural use at the site from as early as 1953 to sometime after 1966,
- Surficial soil staining in the area of the previous equipment storage yard was identified as a REC due to the aerial extent.

We understand that the proposed development at the Site includes residential development. The accompanying report presents the details of our Phase II ESA.

We appreciate the opportunity to have performed this assessment for Douglas Wilson Companies. Please contact us if you have any questions concerning this report or if we may be of further service.

Very truly yours,

GEOCON INCORPORATED

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TABLE OF CONTENTS

PHASE II ENVIRONMENTAL SITE ASSESSMENT Page

1. INTRODUCTION 1
   1.1 Project Background 1
   1.2 General Objectives 1

2. BACKGROUND 2
   2.1 Hazardous Waste Determination Criteria 2
   2.2 Regional Screening Levels (RSLs) 2
   2.3 California Human Health Screening Levels (CHHSLs) 3

3. SCOPE OF SERVICES 3
   3.1 Pre-field Activities 3
   3.2 Field Activities 4

4. INVESTIGATIVE METHODS 4
   4.1 Sampling Procedures 4
   4.2 Laboratory Analyses 5

5. INVESTIGATIVE RESULTS 6
   5.1 Subsurface Conditions 6
   5.2 Laboratory Analytical Results 6
   5.3 Laboratory Quality Assurance/Quality Control 7

6. CONCLUSIONS AND RECOMMENDATIONS 8
   6.1 Title 22 Metals in Soil 8
   6.2 GRO, DRO, ORO, VOCs, and SVOCs in Soil 8
   6.3 Pesticides and PCBs in Soil 8

7. REPORT LIMITATIONS 9

FIGURES
1. Vicinity Map
2. Undocumented Fill/Former Agricultural Area Boring Location Map
3. Broken-Up Asphalt Area Boring Location Map

TABLES
1. Summary of Title 22 Metals Results, Undocumented Fill/Former Agricultural Area
2. Summary of TPH, VOC, and SVOC Results, Undocumented Fill/Former Agricultural Area
3. Summary of Pesticide and PCB Results, Undocumented Fill/Former Agricultural Area
4. Summary of Title 22 Metals Results, Broken-Up Asphalt Area
5. Summary of TPH and VOC Results, Broken-Up Asphalt Area

APPENDICES
A. Boring Permit
B. Laboratory Reports and Chain-of-custody Documentation
C. Soil Boring Logs

PHASE II ENVIRONMENTAL SITE ASSESSMENT

1. INTRODUCTION

This Phase II Environmental Site Assessment (Phase II ESA) for the proposed Sweetwater Vistas development located west of the intersection of Sweetwater Springs Boulevard and Jamacha Boulevard (the Site) in Spring Valley, California was prepared by Geocon Incorporated. The Site is further defined by the following seven County of San Diego Assessor Parcel Numbers (APNs): 505-672-03, -07, -09, -10, -23, -32, and -37. The site location is depicted on the Vicinity Map, Figure 1.

1.1 Project Background

A Phase I Environmental Site Assessment (Phase I ESA) was previously performed for a 54.12 acre property, which included APN 505-672-17 (which has since been sold as of November 2014), to provide information regarding the potential for existing hazardous substances or petroleum impacts at the Site. The Phase I ESA identified the following Recognized Environmental Conditions (RECs):

- The undocumented fill placed in the eastern portion of the Site between 1990 and 2005, reportedly from the construction of the 54 freeway was identified as a REC based on the lack of information regarding the placement and unknown contents.
- The potential presence of pesticides was identified as a REC based on agricultural use at the Site from as early as 1953 to sometime after 1966.
- Surficial soil staining in the area of the previous equipment storage yard was identified as a REC due to the aerial extent.

1.2 General Objectives

The Phase II ESA was performed as part of due diligence assessment activities for the proposed Sweetwater Vistas development. The purpose of the Phase II ESA was to evaluate concentrations of Title 22 metals, gasoline (GRO), diesel (DRO), and oil-range organics (ORO), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, and polychlorinated biphenyls (PCBs) in soil in the undocumented fill and agricultural use area. The Phase II ESA also evaluated concentrations of Title 22 metals, GRO, DOR, ORO, and VOCs in soil in the area identified as having surficial soil staining.

The information obtained from this Phase II ESA will be used to evaluate soil handling practices, worker health and safety, and soil reuse and disposal options.

2. BACKGROUND

2.1 Hazardous Waste Determination Criteria

Regulatory criteria to classify a waste as California hazardous for handling and disposal purposes are contained in the CCR, Title 22, Division 4.5, Chapter 11, Article 3, §66261.24. Criteria to classify a waste as Resource, Conservation, and Recovery Act (RCRA) hazardous are contained in Chapter 40 of the Code of Federal Regulations (40 CFR), Section 261.

For waste containing metals, the waste is classified as California hazardous when: 1) the representative total metal content equals or exceeds the respective Total Threshold Limit Concentration (TTLC); or 2) the representative soluble metal content equals or exceeds the respective Soluble Threshold Limit Concentration (STLC) based on the standard Waste Extraction Test (WET). A waste has the potential of exceeding the STLC when the waste's total metal content is greater than or equal to ten times the respective STLC value since the WET uses a 1:10 dilution ratio. Hence, when a total metal is detected at a concentration greater than or equal to ten times the respective STLC, and assuming that 100 percent of the total metals are soluble, soluble metal analysis is required. A material is classified as RCRA hazardous, or Federal hazardous, when the representative soluble metal content equals or exceeds the Federal regulatory level based on the Toxicity Characteristic Leaching Procedure (TCLP).

The above regulatory criteria are based on chemical concentrations. Wastes may also be classified as hazardous based on other criteria such as ignitability and corrosivity; however, for the purposes of this investigation, toxicity (i.e., representative lead concentrations) is the primary factor considered for waste classification since waste generated during the construction activities would not likely warrant testing for ignitability or other criteria. Waste that is classified as either California hazardous or RCRA hazardous requires management as a hazardous waste.

2.2 Regional Screening Levels (RSLs)

The United States Environmental Protection Agency (USEPA) Region 9 has developed RSLs to assist remedial project managers, on scene coordinators, risk assessors, and others involved in decision-making concerning Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) hazardous waste sites and to determine whether levels of contamination found at the site may warrant further investigation or site cleanup, or whether no further investigation or action may be required. Users within and outside the CERCLA program should use the RSL tables or calculator results at their own discretion and they should take care to understand the assumptions incorporated in these results and to apply the RSLs appropriately.

The RSLs presented in the Generic Tables are chemical-specific concentrations for individual contaminants in air, drinking water and soil that may warrant further investigation or site cleanup. The RSLs generated from the calculator may be site-specific concentrations for individual chemicals in soil, air, water and fish. USPEA emphasizes that RSLs are not cleanup standards. The RSLs can be found at http://www.epa.gov/region9/superfund/prg/.

2.3 California Human Health Screening Levels (CHHSLs)

The California Environmental Protection Agency (Cal/EPA) has prepared technical reports entitled *Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties* (Cal/EPA, January 2005) and *Revised California Human Health Screening Levels for Beryllium* (Cal/EPA, March 2009) and *Lead* (Cal/EPA, September 2009), which present CHHSLs for soil, shallow soil gas, and indoor air to assist in evaluating sites impacted by releases of hazardous chemicals.

The CHHSLs are concentrations of 54 hazardous chemicals including Title 22 metals that Cal/EPA considers to be below thresholds of concern for risks to human health. The CHHSLs were developed by the Office of Environmental Health Hazard Assessment (OEHHA) on behalf of Cal/EPA. The thresholds of concern used to develop the CHHSLs are an excess lifetime cancer risk of one in a million and a hazard quotient or 1.0 for noncancer effects. Under most circumstances, the presence of a chemical at concentrations below its respective CHHSL can be assumed to not pose a significant risk. The presence of a chemical at concentrations above a CHHSL does not indicate that adverse impacts to human health are occurring or will occur but suggests that further evaluation is warranted (Cal/EPA, January 2005).

3. SCOPE OF SERVICES

The scope of services performed for this Phase II ESA included the following:

3.1 Pre-field Activities

- Obtained a soil boring construction permit from County of San Diego Department of Environmental Health. A copy of the boring permit is included as Appendix A.
- Notified Underground Service Alert (USA) at least 48-hours prior to field activities.
- Retained the services of Subsurface Alert, Inc. to provide utility locating services prior to the fieldwork.
- Retained the services of Cascade Drilling to perform hollow-stem auger drilling activities.
- Mobilized Geocon's Geoprobe 5400 drilling rig to perform direct push drilling activities.

- Retained the services of Advanced Technology Laboratories (ATL), a California-certified analytical laboratory, to perform the chemical analyses of soil samples.

3.2 Field Activities

The field investigation was performed between July 23 and 28, 2015, by Geocon staff. The following field activities were performed during the sampling efforts:

- Advanced 13 soil borings to investigate the potential soil impacts from the undocumented fill and former agricultural use. The boring were advanced using hollow-stem auger drilling methods to depths ranging from 17.5 to 51.5 feet for the purpose of collecting soil samples.

- Advanced 6 soil borings to investigate the potential soil impacts in the surficial stain area. The borings were advanced using direct push methods to depths ranging from 3.5 to 5.5 feet.

The following soil samples were collected:

- 59 samples for Title 22 metals, GRO, DRO, ORO, and VOC analysis

- 48 samples for Pesticide and PCB analysis

- 5 samples for total arsenic analysis

- 43 samples for SVOC analysis

Samples were transported under standard chain-of-custody (COC) documentation to ATL for sample analysis.

4. INVESTIGATIVE METHODS

4.1 Sampling Procedures

Soil samples were collected from the 19 boring hollow-stem auger and direct push drilling techniques. The 13 boring locations (B1 to B13) advanced to investigate the undocumented fill/agricultural use area are depicted on Figure 2. The six boring locations (B-1 to B-6) advanced to investigate the surficial stain area are depicted on Figure 3.

Soil samples were placed in new stainless steel tubes or acetate sleeves and sealed with Teflon tape and plastic lids prior to being stored in a chest cooled with ice, as necessary. Sample containers were labeled and transported to a California-certified environmental laboratory using standard COC documentation. The hollow-stem auger borings were backfilled with bentonite grout in accordance with County of San Diego requirements. The shallow direct push soil borings were backfilled to surface with soil cuttings.

Geocon provided QA/QC procedures during the field activities. These procedures included washing the sampling equipment with a phosphate free detergent solution followed by a double rinse with deionized water. Decontamination water was disposed of to the ground surface in a manner not to create runoff, away from drain inlets or potential water bodies.

4.2 Laboratory Analyses

Laboratory analyses were performed by ATL under standard turnaround-time (TAT). The laboratory reports and COC documentation are included in Appendix B.

The soil samples were analyzed as follows:

- 59 samples for Title 22 metals using EPA Test Methods 6010B and 7471A.
- 59 samples for GRO using EPA Test Method 8015B (Modified).
- 59 samples for DRO and ORO using EPA Test Method 8015B.
- 59 samples for VOCs using EPA Test Method 8260B.
- 48 samples for organochlorine pesticides using EPA Test Method 8081.
- 48 samples for PCBs using EPA Test Method 8082.
- 43 samples for SVOCs using EPA Test Method 8270C.
- 5 samples for total arsenic using EPA Test Method 6010B.

5. INVESTIGATIVE RESULTS

5.1 Subsurface Conditions

Borings B1 to B13 were advanced in the undocumented fill/agricultural use area using hollow-stem auger drilling techniques. Undocumented fill was present to depths ranging from 14 to 38 feet and was general underlain by the Sweetwater Formation.

Borings B-1 to B-6 were advanced in the surficial stain area using direct push drilling techniques. Subsurface material consisted primarily of Santiago Peak Volcanics, with some artificial fill observed in between 0 to 1.5 feet bgs in boring B-1. Small ¼-inch asphalt grindings were observed within the top few inches at locations B-5 and B-6, which were advanced within the center of the surface stained area. The asphalt grindings were not observed to be present in surface soil at locations B-1 to B-4, which were advanced outside the perimeter of the surface stain area. Accordingly, the perceived surface stain area is actually a result of the presence of broken-up asphalt in surface soil at this location.

Groundwater was not encountered in the borings. Boring logs are provided as Appendix C.

5.2 Laboratory Analytical Results

Undocumented Fill/Agricultural Use Area

The soil sample analytical results are summarized in Tables 1 through 3, and are summarized below:

- Antimony, beryllium, cadmium, mercury, selenium, silver, and thallium were not detected at or above their respective laboratory reporting limits.
- Remaining Title 22 metals were reported at total concentrations less than their respective RSLs and CHHSLs, with the exception of arsenic, which was reported at total concentrations consistent with regional background.
- GRO and PCBs were not detected at or above their respective laboratory reporting limits.
- DRO was reported at concentrations ranging from 11 to 320 milligrams per kilogram (mg/kg). Two of the 43 samples had a reported concentration greater than the RSL of 110 mg/kg.
- ORO was reported at concentrations less than its RSL of 2,500 mg/kg.
- VOCs, SVOCs, and Pesticides were reported at concentrations less than their respective RSLs.

Broken-Up Asphalt (Surface Stain) Area

The soil sample analytical results are summarized in Tables 4 and 5, and are summarized below:

- Antimony, beryllium, cadmium, mercury, nickel, selenium, silver, and thallium were not detected at or above their respective laboratory reporting limits.
- Remaining Title 22 metals were reported at total concentrations less than their respective RSLs and CHHSLs, with the exception of arsenic, which was reported at total concentrations consistent with regional background.
- GRO and VOCs were not detected at or above their respective laboratory reporting limits.
- DRO and ORO were reported at concentrations less than their respective RSLs.

5.3 Laboratory Quality Assurance/Quality Control

QA/QC procedures were reviewed and are of sufficient quality for the purposes of this report.

6. CONCLUSIONS AND RECOMMENDATIONS

6.1 Title 22 Metals in Soil

The Title 22 metals concentrations in site soil were compared to RSLs and CHHSLs. Arsenic was the only metal reported at concentrations greater than its respective RSL and CHHSL values. However, the maximum arsenic concentration of 14 mg/kg is consistent with the background concentration shown in the Probability Plot in the *Determination of a Southern California Regional Background Arsenic Concentration in Soil*, published by the California Department of Toxic Substances Control (DTSC). The DTSC study indicates that the background arsenic concentration within the five Southern California counties is approximately 12 mg/kg and the Probability Plot clearly shows that the background concentrations in San Diego County (along with Orange and San Bernardino Counties) are generally higher than those in Los Angeles and Riverside Counties.

Metals results for soil samples are summarized in Tables 1 and 4. Based on the reported results, reuse or disposal of soil should not be restricted.

6.2 GRO, DRO, ORO, VOCs, and SVOCs in Soil

GRO, ORO, VOCs, or SVOCs were not reported at concentrations exceeding their respective RSL values. DRO was reported in 2 of 59 samples at concentrations slightly exceeding its RSL value.

GRO, DRO, ORO, VOC, and SVOC results for soil samples are summarized in Tables 2 and 5. If hydrocarbon impacted soil is encountered during grading operations, it should be segregated into a stockpile and characterized to evaluate if the soil should be reused onsite or disposed of offsite at an appropriate landfill facility.

Geocon recommends that the broken-up asphalt, which was identified in the upper few inches in the surface stain area, be managed separately and either off-hauled from the Site or placed beneath roadway structures.

6.3 Pesticides and PCBs in Soil

Pesticides were not reported at concentrations exceeding their respective RSL values and PCBs were not detected at or above laboratory reporting limits.

Pesticide and PCB results for soil samples are summarized in Table 3. Based on the reported results, reuse or disposal of soil should not be restricted.

7. REPORT LIMITATIONS

This report has been prepared exclusively for Douglas Wilson Companies. The information contained herein is only valid as of the date of the report and will require an update to reflect additional information obtained.

This report is not a comprehensive site characterization and should not be construed as such. The findings as presented in this report are predicated on the results of the limited sampling and laboratory testing performed. In addition, the information obtained is not intended to address potential impacts related to sources other than those specified herein. Therefore, the report should be deemed conclusive with respect to only the information obtained. We make no warranty, express or implied, with respect to the content of this report or any subsequent reports, correspondence or consultation. Geocon strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.

The contents of this report reflect the views of the author who is responsible for the facts and accuracy of the data presented herein. This report does not constitute a standard, specification, or regulation.

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N

NO SCALE

VICINITY MAP

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SWEETWATER VISTAS
SPRING VALLEY, CALIFORNIA

BE / CW		DSK/GTYPD	DATE SEPT 2015	PROJECT NO. 08175 - 06 - 08	FIG. 1

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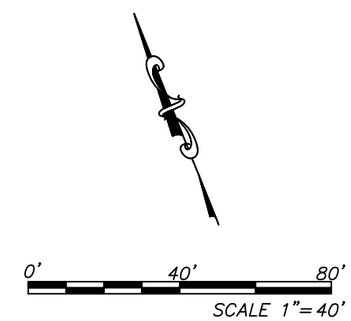
SWEETWATER VISTAS
SPRING VALLEY, CALIFORNIA



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B-6 .....APPROX. LOCATION OF SOIL BORING

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PROJECT NO. 08175 - 06 - 08
FIGURE 2
DATE SEPTEMBER 2015

ASPHALT GRINDINGS BORING LOCATION MAP

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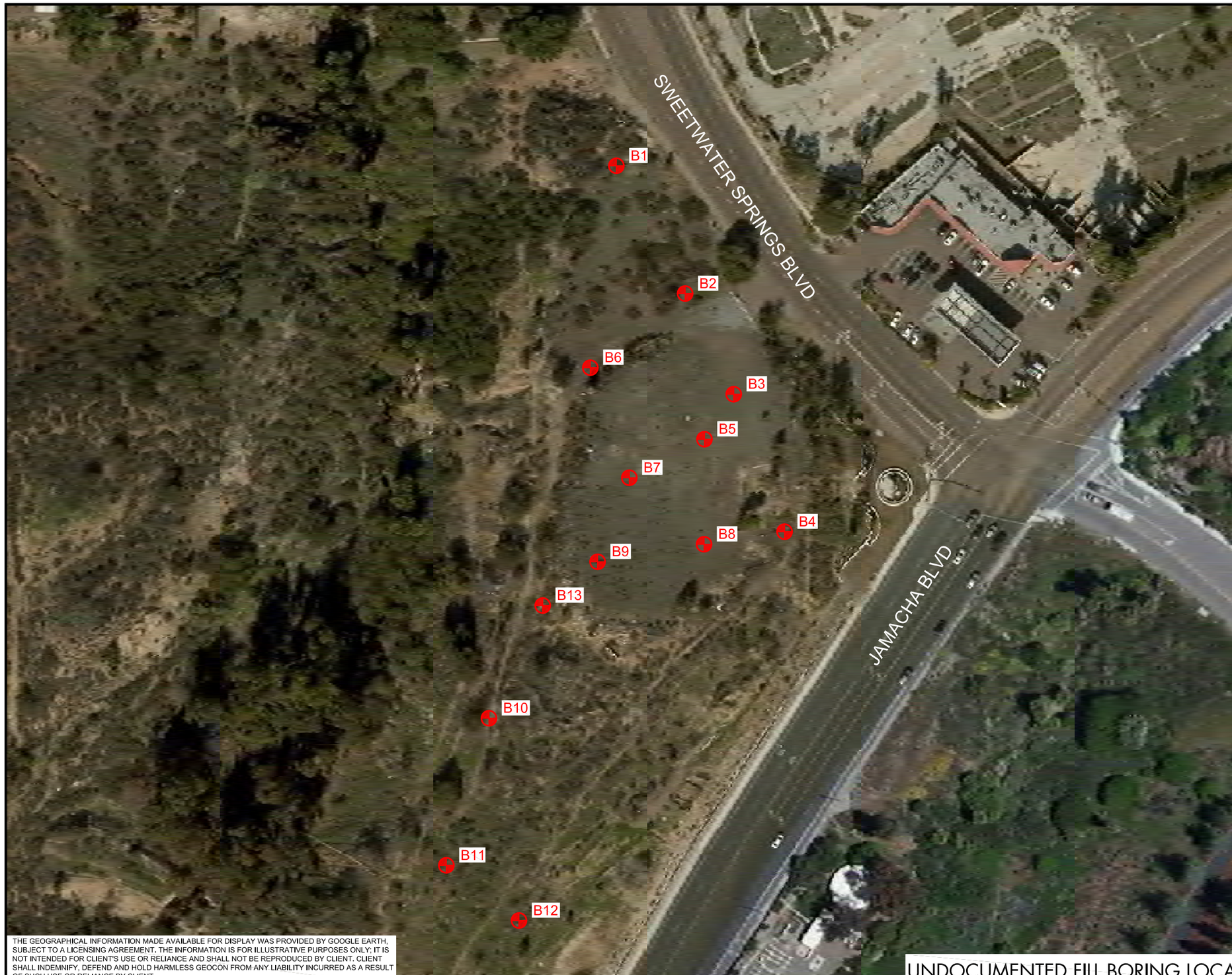
SWEETWATER VISTAS
SPRING VALLEY, CALIFORNIA



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GEOCON LEGEND

B18 .....APPROX. LOCATION OF SOIL BORING

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UNDOCUMENTED FILL BORING LOCATION MAP

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FIGURE 3
DATE SEPTEMBER 2015

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TABLE 1
SUMMARY OF TITLE 22 METALS RESULTS
UNDOCUMENTED FILL/FORMER AGRICULTURAL AREA
SWEETWATER VISTAS, SPRING VALLEY, CALIFORNIA

Boring Log Sample ID	Laboratory Sample ID	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
All results reported in milligrams per kilogram																		
B1-2	B1 / 5'	<2.0	3.3	130	<1.0	<1.0	6.6	1.8	7.6	6.6	<0.10	<1.0	2.2	<1.0	<1.0	<1.0	23	16
B1-3	B1 / 9'	<2.0	2.6	89	<1.0	<1.0	11	4.9	12	9.1	<0.10	<1.0	2.9	<1.0	<1.0	<1.0	37	26
B2-2	B2 / 3'	<2.0	1.4	250	<1.0	<1.0	7.5	2.7	5.6	14	<0.10	<1.0	2.7	<1.0	<1.0	<1.0	13	29
B2-3	B2 / 5.5'	<2.0	4.0	55	<1.0	<1.0	6.6	5.9	9.7	38	<0.10	<1.0	4.1	<1.0	<1.0	<1.0	52	34
B2-4	B2 / 7'	<2.0	3.6	66	<1.0	<1.0	17	22	12	12	<0.10	1.6	6.0	<1.0	<1.0	<1.0	25	26
B3-1	B3 / 5'	<2.0	2.5	160	<1.0	<1.0	5.3	2.9	11	11	<0.10	<1.0	2.5	<1.0	<1.0	<1.0	23	31
B3-2	B3 / 10'	<2.0	3.7	66	<1.0	<1.0	7.8	5.2	6.2	8.5	<0.10	<1.0	4.0	<1.0	<1.0	<1.0	30	20
B3-3	B3 / 20'	---	4.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B4-2	B4 / 10'	<2.0	1.3	52	<1.0	<1.0	4.9	5.6	7.9	5.6	<0.10	<1.0	2.9	<1.0	<1.0	<1.0	36	20
B4-3	B4 / 15'	---	1.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B5-1	B5 / 5'	<2.0	2.0	98	<1.0	<1.0	9.7	2.5	4.4	4.0	<0.10	<1.0	2.6	<1.0	<1.0	<1.0	29	18
B5-2	B5 / 10'	<2.0	6.1	150	<1.0	<1.0	5.5	3.1	8.2	20	<0.10	<1.0	3.7	<1.0	<1.0	<1.0	20	42
B5-3	B5 / 15'	<2.0	2.8	94	<1.0	<1.0	7.6	4.0	6.7	11	<0.10	<1.0	4.4	<1.0	<1.0	<1.0	23	20
B5-4	B5 / 19'	<2.0	<1.0	57	<1.0	<1.0	10	7.9	33	2.1	<0.10	<1.0	5.6	<1.0	<1.0	<1.0	53	34
B5-5	B5 / 25'	---	2.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B6-2	B6 / 5'	<2.0	2.4	250	<1.0	<1.0	11	3.3	4.9	9.6	<0.10	<1.0	3.8	<1.0	<1.0	<1.0	18	17
B6-3	B6 / 10'	<2.0	2.8	85	<1.0	<1.0	7.0	4.2	7.8	11	<0.10	<1.0	3.2	<1.0	<1.0	<1.0	29	39
B6-5	B6 / 20'	<2.0	4.1	30	<1.0	<1.0	9.7	10	21	1.9	<0.10	<1.0	4.3	<1.0	<1.0	<1.0	56	33
B6-6	B6 / 25'	<2.0	2.7	77	<1.0	<1.0	6.6	5.7	51	2.9	<0.10	<1.0	2.4	<1.0	<1.0	<1.0	50	31
B7-1	B7 / 5'	<2.0	1.5	160	<1.0	<1.0	7.1	2.7	6.5	37	<0.10	<1.0	2.8	<1.0	<1.0	<1.0	17	34
B7-2	B7 / 10'	<2.0	3.1	88	<1.0	<1.0	7.0	2.9	5.3	4.8	<0.10	<1.0	3.1	<1.0	<1.0	<1.0	22	23
B7-3	B7 / 15'	<2.0	2.7	100	<1.0	<1.0	12	4.1	6.2	9.3	<0.10	<1.0	3.7	<1.0	<1.0	<1.0	35	25
B7-4	B7 / 20'	<2.0	2.1	55	<1.0	<1.0	19	5.7	9.1	19	<0.10	<1.0	9.4	<1.0	<1.0	<1.0	33	21
B7-5	B7 / 25'	<2.0	<1.0	87	<1.0	<1.0	5.9	5.7	21	1.4	<0.10	<1.0	3.6	<1.0	<1.0	<1.0	48	24
B7-6	B7 / 30'	---	1.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B8-1	B8 / 5'	<2.0	2.1	250	<1.0	<1.0	9.0	2.4	5.3	29	<0.10	<1.0	2.9	<1.0	<1.0	<1.0	24	23
B8-2	B8 / 10'	<2.0	1.9	57	<1.0	<1.0	16	6.7	12	14	<0.10	<1.0	7.2	<1.0	<1.0	<1.0	33	27
B8-3	B8 / 15'	<2.0	<1.0	65	<1.0	<1.0	6.6	6.3	20	1.6	<0.10	<1.0	3.9	<1.0	<1.0	<1.0	51	22
B8-4	B8 / 20'	<2.0	<1.0	85	<1.0	<1.0	7.6	6.4	25	1.7	<0.10	<1.0	3.8	<1.0	<1.0	<1.0	51	24
B8-5	B8 / 25'	---	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 1
SUMMARY OF TITLE 22 METALS RESULTS
UNDOCUMENTED FILL/FORMER AGRICULTURAL AREA
SWEETWATER VISTAS, SPRING VALLEY, CALIFORNIA

Boring Log Sample ID	Laboratory Sample ID	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
All results reported in milligrams per kilogram																		
B9-1	B9 / 5'	<2.0	2.4	140	<1.0	<1.0	5.3	2.4	3.0	3.1	<0.10	<1.0	2.2	<1.0	<1.0	<1.0	16	8.8
B9-2	B9 / 10'	<2.0	1.9	32	<1.0	<1.0	12	3.0	11	20	<0.10	<1.0	3.4	<1.0	<1.0	<1.0	29	27
B9-3	B9 / 15'	<2.0	2.2	36	<1.0	<1.0	7.3	2.3	5.5	16	<0.10	<1.0	3.0	<1.0	<1.0	<1.0	15	24
B10-2	B10 / 5'	<2.0	2.7	89	<1.0	<1.0	6.8	6.4	24	3.2	<0.10	<1.0	2.6	<1.0	<1.0	<1.0	47	29
B10-4	B10 / 20'	<2.0	2.2	92	<1.0	<1.0	11	5.1	15	12	<0.10	<1.0	5.9	<1.0	<1.0	<1.0	28	44
B10-6	B10 / 30'	<2.0	2.8	94	<1.0	<1.0	15	6.1	7.1	4.5	<0.10	<1.0	8.6	<1.0	<1.0	<1.0	25	15
B10-7	B10 / 32'	<2.0	2.8	57	<1.0	<1.0	18	4.6	9.0	2.1	<0.10	<1.0	8.9	<1.0	<1.0	<1.0	27	13
B11-1	B11 / 5'	<2.0	2.9	100	<1.0	<1.0	9.0	4.5	6.9	4.5	<0.10	<1.0	4.6	<1.0	<1.0	<1.0	22	18
B11-3	B11 / 15'	<2.0	4.8	83	<1.0	<1.0	14	3.5	9.3	6.3	<0.10	<1.0	5.0	<1.0	<1.0	<1.0	29	21
B11-4	B11 / 20'	<2.0	4.9	100	<1.0	<1.0	18	5.8	24	5.7	<0.10	<1.0	6.0	<1.0	<1.0	<1.0	38	25
B11-5	B11 / 30'	<2.0	3.6	110	<1.0	<1.0	34	4.9	14	5.3	<0.10	<1.0	7.7	<1.0	<1.0	<1.0	32	22
B11-6	B11 / 35'	<2.0	2.1	48	<1.0	<1.0	15	6.0	8.9	71	<0.10	<1.0	13	<1.0	<1.0	<1.0	23	20
B11-8	B11 / 45'	<2.0	2.8	69	<1.0	<1.0	160	6.6	24	10	<0.10	1.3	16	<1.0	<1.0	<1.0	24	21
B12-2	B12 / 5'	<2.0	4.1	62	<1.0	<1.0	44	2.9	20	18	<0.10	<1.0	5.4	<1.0	<1.0	<1.0	19	70
B12-4	B12 / 15'	<2.0	2.7	130	<1.0	<1.0	3.3	4.6	5.3	6.5	<0.10	<1.0	2.8	<1.0	<1.0	<1.0	16	11
B12-6	B12 / 25'	<2.0	4.4	85	<1.0	<1.0	15	6.0	20	13	<0.10	<1.0	8.0	<1.0	<1.0	<1.0	31	40
B12-8	B12 / 35'	<2.0	1.9	79	<1.0	<1.0	25	8.5	3.1	2.1	<0.10	<1.0	28	<1.0	<1.0	<1.0	19	10
B13-2	B13 / 5'	<2.0	3.9	250	<1.0	<1.0	3.1	9.6	5.2	15	<0.10	<1.0	2.8	<1.0	<1.0	<1.0	25	10
RSLs		31	0.68	15,000	160	71	120,000/0.3 [1]	23	3,100	400	9.4	390	1,500	390	390	0.78	390	23,000
CHHSLs		30	0.07	5,200	16	1.7	100,000	660	3,000	80	18	380	1,600	380	380	5.0	530	23,000

Notes:

< = Less than laboratory reporting limits

--- = Not analyzed

1 = Chromium III/Chromium VI

CHHSLs = California Environmental Protection Agency, California Human Health Screening Levels for residential land use

RSLs = U.S. Environmental Protection Agency, Region 9, Regional Screening Levels (Residential - Soil)

Boring Log Sample ID - Boring location and number of sample collected

Laboratory Sample ID - Boring location and depth of sample collected

TABLE 2
SUMMARY OF TPH, VOC, AND SVOC RESULTS
UNDOCUMENTED FILL/FORMER AGRICULTURAL AREA
SWEETWATER VISTAS, SPRING VALLEY, CALIFORNIA

Boring Log Sample ID	Laboratory Sample ID	Sample Date	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	VOCs (µg/kg)	SVOCs (µg/kg)
B1-2	B1 / 5'	7/23/2015	<1.0	<10	<10	ND	ND
B1-3	B1 / 9'	7/23/2015	<1.0	33	80	ND	ND
B2-2	B2 / 3'	7/23/2015	<1.0	<10	<10	ND	ND
B2-3	B2 / 5.5'	7/23/2015	<1.0	<10	<10	ND	ND
B2-4	B2 / 7'	7/23/2015	<1.0	98	270	ND	ND
B3-1	B3 / 5'	7/23/2015	<1.0	25	47	ND	ND
B3-2	B3 / 10'	7/23/2015	<1.0	<10	<10	ND	ND
B4-2	B4 / 10'	7/23/2015	<1.0	<10	<10	ND	ND
B5-1	B5 / 5'	7/24/2015	<1.0	36	62	ND	ND
B5-2	B5 / 10'	7/24/2015	<1.0		1,200	ND	ND
B5-3	B5 / 15'	7/24/2015	<1.0	44	95	ND	ND
B5-4	B5 / 19'	7/24/2015	<1.0	<10	<10	ND	ND
B6-2	B6 / 5'	7/27/2015	<1.0	65	200	ND	ND
B6-3	B6 / 10'	7/27/2015	<1.0	53	160	ND	ND
B6-5	B6 / 20'	7/27/2015	<1.0	<10	<10	ND	ND
B6-6	B6 / 25'	7/27/2015	<1.0	<10	<10	ND	ND
B7-1	B7 / 5'	7/24/2015	<1.0	<10	<10	ND	ND
B7-2	B7 / 10'	7/24/2015	<1.0	<10	<10	ND	ND
B7-3	B7 / 15'	7/24/2015	<1.0	67	90	ND	ND
B7-4	B7 / 20'	7/24/2015	<1.0	35	69	ND	ND
B7-5	B7 / 25'	7/24/2015	<1.0	<10	<10	ND	ND
B8-1	B8 / 5'	7/24/2015	<1.0	<10	<10	ND	ND
B8-2	B8 / 10'	7/24/2015	<1.0	20	60	ND	ND
B8-3	B8 / 15'	7/24/2015	<1.0	<10	<10	ND	ND
B8-4	B8 / 20'	7/24/2015	<1.0	<10	<10	ND	ND
B9-1	B9 / 5'	7/24/2015	<1.0	<10	<10	ND	ND
B9-2	B9 / 10'	7/24/2015	<1.0	<10	<10	ND	ND
B9-3	B9 / 15'	7/24/2015	<1.0	<10	<10	ND	ND

TABLE 2

SUMMARY OF TPH, VOC, AND SVOC RESULTS

UNDOCUMENTED FILL/FORMER AGRICULTURAL AREA

SWEETWATER VISTAS, SPRING VALLEY, CALIFORNIA

Boring Log Sample ID	Laboratory Sample ID	Sample Date	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	VOCs (µg/kg)	SVOCs (µg/kg)
B10-2	B10 / 5'	7/27/2015	<1.0	320	1400	ND	ND
B10-4	B10 / 20'	7/27/2015	<1.0	15	42	ND	2,100 [1]
B10-6	B10 / 30'	7/27/2015	<1.0	<10	<10	ND	ND
B10-7	B10 / 32'	7/27/2015	<1.0	<10	13	ND	ND
B11-1	B11 / 5'	7/27/2015	<1.0	11	42	ND	ND
B11-3	B11 / 15'	7/27/2015	<1.0	120	610	ND	ND
B11-4	B11 / 20'	7/28/2015	<1.0	31	130	ND	ND
B11-5	B11 / 30'	7/28/2015	<1.0	27	34	ND	ND
B11-6	B11 / 35'	7/28/2015	<1.0	31	51	ND	ND
B11-8	B11 / 45'	7/28/2015	<1.0	38	110	ND	ND
B12-2	B12 / 5'	7/28/2015	<1.0	<10	30	ND	ND
B12-4	B12 / 15'	7/28/2015	<1.0	<10	<10	ND	ND
B12-6	B12 / 25'	7/28/2015	<1.0	67	230	12 [2]	ND
B12-8	B12 / 35'	7/28/2015	<1.0	<10	<10	ND	ND
B13-2	B13 / 5'	7/28/2015	<1.0	<10	<10	ND	ND
	RSLs		82	110	2,500	3,800	38,000

Notes:
GRO = gasoline-range organics
DRO = diesel-range organics
ORO = oil-range organics
VOCs = volatile organic compounds
SVOCs = semi-volatile organic compounds
mg/kg = Milligrams per kilogram
µg/kg = Micrograms per kilogram
ND, < = All analytes not detected at concentrations exceeding the laboratory reporting limits
NA = not applicable
1 = reported as bis(2-ethylhexyl)phthalate, all other compounds are non-detect
2 = reported as Naphthalene, all other compounds are non-detect
RSLs = U.S. Environmental Protection Agency, Region 9, Regional Screening Levels, (Residential - Soil)
Boring Log Sample ID - Boring location and number of sample collected
Laboratory Sample ID - Boring location and depth of sample collected

TABLE 3

SUMMARY OF PESTICIDE AND PCB RESULTS

UNDOCUMENTED FILL/FORMER AGRICULTURAL AREA

SWEETWATER VISTAS, SPRING VALLEY, CALIFORNIA

Boring Log Sample ID	Laboratory Sample ID	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC	gamma-Chlordane	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene	PCBs
		Results in micrograms per kilogram																						
B1-2	B1 / 5'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B1-3	B1 / 9'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B2-2	B2 / 3'	<2.0	**13**	**7.7**	<1.0	<1.0	**9.1**	<1.0	**88**	<1.0	**2.8**	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	**9.7**	<1.0	**1.3**	<5.0	<50	ND
B2-3	B2 / 5.5'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B2-4	B2 / 7'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B3-1	B3 / 5'	<2.0	<2.0	<2.0	<1.0	<1.0	**8.2**	<1.0	**54**	<1.0	**13**	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	**7.7**	<1.0	**1.2**	<5.0	<50	ND
B3-2	B3 / 10'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B3-3	B3 / 20'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B4-2	B4 / 10'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B4-3	B4 / 15'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B5-1	B5 / 5'	<2.0	<2.0	<2.0	<1.0	<1.0	**4.2**	<1.0	**21**	<1.0	**2.2**	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	**4.3**	<1.0	<1.0	<5.0	<50	ND
B5-2	B5 / 10'	<2.0	**3.0**	<2.0	<1.0	<1.0	**1.4**	<1.0	**15**	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	**1.5**	<1.0	<1.0	<5.0	<50	ND
B5-3	B5 / 15'	<2.0	**18**	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B5-4	B5 / 19'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B5-5	B5 / 25'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B6-2	B6 / 5'	<2.0	<2.0	<2.0	<1.0	<1.0	**2.2**	<1.0	**17**	<1.0	**2.7**	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	**1.9**	<1.0	<1.0	<5.0	<50	ND
B6-3	B6 / 10'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B6-5	B6 / 20'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B6-6	B6 / 25'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B7-1	B7 / 5'	<2.0	**16**	**2.9**	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B7-2	B7 / 10'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B7-3	B7 / 15'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B7-4	B7 / 20'	<2.0	**3.6**	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B7-5	B7 / 25'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B7-6	B7 / 30'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B8-1	B8 / 5'	<2.0	<2.0	<2.0	<1.0	<1.0	**2.1**	<1.0	**18**	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	**1.8**	<1.0	<1.0	<5.0	<50	ND
B8-2	B8 / 10'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B8-3	B8 / 15'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B8-4	B8 / 20'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B8-5	B8 / 25'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND

TABLE 3
SUMMARY OF PESTICIDE AND PCB RESULTS
UNDOCUMENTED FILL/FORMER AGRICULTURAL AREA
SWEETWATER VISTAS, SPRING VALLEY, CALIFORNIA

Boring Log Sample ID	Laboratory Sample ID	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC	gamma-Chlordane	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene	PCBs
		Results in micrograms per kilogram																						
B9-1	B9 / 5'	<2.0	**2.7**	<2.0	<1.0	<1.0	**2.5**	<1.0	**22**	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	**2.4**	<1.0	<1.0	<5.0	<50	ND
B9-2	B9 / 10'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B9-3	B9 / 15'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B10-2	B10 / 5'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B10-4	B10 / 20'	<2.0	**2.4**	<2.0	<1.0	<1.0	**4.6**	<1.0	**48**	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	**4.0**	<1.0	<1.0	<5.0	<50	ND
B10-6	B10 / 30'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B10-7	B10 / 32'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B11-1	B11 / 5'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B11-3	B11 / 15'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B11-4	B11 / 20'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B11-5	B11 / 30'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B11-6	B11 / 35'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B11-8	B11 / 45'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B12-2	B12 / 5'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B12-4	B12 / 15'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B12-6	B12 / 25'	**3.0**	**4.4**	<2.0	<1.0	<1.0	**9.7**	<1.0	**63**	<1.0	**2.4**	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	**9.3**	<1.0	<1.0	<5.0	<50	ND
B12-8	B12 / 35'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
B13-2	B13 / 5'	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<8.5	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<50	ND
RSLs		2,300	2,000	1,900	39	86	NA	300	1,700	NA	34	470,000	NA	NA	19,000	NA	NA	570	NA	130	70	320,000	490	NA
CHHSLs		2,300	1,600	1,600	33	NA	NA	NA	430	NA	35	NA	NA	NA	21,000	NA	NA	500	NA	130	NA	340,000	460	NA

Notes:

ND, < = not detected at concentrations exceeding the laboratory reporting limits

NA = not applicable

RSLs = U.S. Environmental Protection Agency, Region 9, Regional Screening Levels, (Residential - Soil)

CHHSLs = California Environmental Protection Agency, California Human Health Screening Levels for residential land use

Boring Log Sample ID - Boring location and number of sample collected

Laboratory Sample ID - Boring location and depth of sample collected

TABLE 4
SUMMARY OF TITLE 22 METALS RESULTS
BROKEN-UP ASPHALT AREA
SWEETWATER VISTAS, SPRING VALLEY, CALIFORNIA

Sample ID	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
All results reported in milligrams per kilogram																	
B1-1.0'	<2.0	13	2.7	<1.0	<1.0	1.0	<1.0	2.9	5.1	<0.10	2.0	<1.0	<1.0	<1.0	<1.0	2.6	12
B1-2.0'	<2.0	14	4.5	<1.0	<1.0	1.0	<1.0	3.1	2.6	<0.10	2.7	<1.0	<1.0	<1.0	<1.0	2.9	14
B1-3.0'	<2.0	14	3.6	<1.0	<1.0	<1.0	<1.0	4.0	3.1	<0.10	2.9	<1.0	<1.0	<1.0	<1.0	4.1	18
B2-1.0'	<10	<5.0	13	<5.0	<5.0	5.2	5.3	<10	<5.0	<0.10	<5.0	<5.0	<5.0	<5.0	<5.0	17	70
B2-2.0'	<10	<5.0	16	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<0.10	<5.0	<5.0	<5.0	<5.0	<5.0	15	66
B2-4.0'	<20	<10	26	<10	<10	<10	<10	<20	<10	<0.10	<10	<10	<10	<10	<10	19	89
B3-1.0'	<20	<10	19	<10	<10	<10	<10	<20	<10	<0.10	<10	<10	<10	<10	<10	<10	30
B3-2.0'	<10	<5.0	11	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<0.10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	26
B3-4.0'	<10	<5.0	16	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<0.10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	29
B4-1.0'	<20	<10	<10	<10	<10	<10	<10	<20	<10	<0.10	<10	<10	<10	<10	<10	<10	22
B4-2.0'	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<0.10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	12
B5-1.0'	<10	<5.0	350	<5.0	<5.0	<5.0	6.7	<10	16	<0.10	<5.0	<5.0	<5.0	<5.0	<5.0	7.0	47
B5-2.0'	<10	<5.0	180	<5.0	<5.0	45	5.9	<10	10	<0.10	22	<5.0	<5.0	<5.0	<5.0	9.4	34
B6-1.0'	<10	<5.0	47	<5.0	<5.0	<5.0	<5.0	<10	8.1	<0.10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	55
B6-3.0'	<10	<5.0	41	<5.0	<5.0	<5.0	<5.0	<10	59	<0.10	<5.0	<5.0	<5.0	<5.0	<5.0	7.2	77
B6-5.0'	<10	<5.0	35	<5.0	<5.0	<5.0	<5.0	<10	45	<0.10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	69
RSLs	31	0.68	15,000	160	71	120,000/0.3 [1]	23	3,100	400	9.4	390	1,500	390	390	0.78	390	23,000
CHHSLs	30	0.07	5,200	16	1.7	100,000	660	3,000	80	18	380	1,600	380	380	5.0	530	23,000

Notes:

< = Less than laboratory reporting limits

--- = Not analyzed

1 = Chromium III/Chromium VI

CHHSLs = California Environmental Protection Agency, California Human Health Screening Levels for residential land use

RSLs = U.S. Environmental Protection Agency, Region 9, Regional Screening Levels (Residential - Soil)

Sample ID - Boring Location and depth of sample collected

TABLE 5
SUMMARY OF TPH AND VOC RESULTS
BROKEN-UP ASPHALT AREA
SWEETWATER VISTAS, SPRING VALLEY, CALIFORNIA

Sample ID	Sample Date	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	VOCs (µg/kg)
B1-1.0'	8/5/2015	<1.0	<10	<10	ND
B1-2.0'	8/5/2015	<1.0	<10	<10	ND
B1-3.0'	8/5/2015	<1.0	<10	<10	ND
B2-1.0'	8/5/2015	<1.0	<10	<10	ND
B2-2.0'	8/5/2015	<1.0	<10	<10	ND
B2-4.0'	8/5/2015	<1.0	<10	<10	ND
B3-1.0'	8/5/2015	<1.0	<10	<10	ND
B3-2.0'	8/5/2015	<1.0	<10	<10	ND
B3-4.0'	8/5/2015	<1.0	<10	<10	ND
B4-1.0'	8/5/2015	<1.0	<10	<10	ND
B4-2.0'	8/5/2015	<1.0	<10	<10	ND
B5-1.0'	8/5/2015	<1.0	<10	<10	ND
B5-2.0'	8/5/2015	<1.0	<10	<10	ND
B6-1.0'	8/5/2015	<1.0	<10	<10	ND
B6-3.0'	8/5/2015	<1.0	24	88	ND
B6-5.0'	8/5/2015	<1.0	<10	<10	ND
RSLs		82	110	2,500	NA

Notes:
GRO = gasoline-range organics
DRO = diesel-range organics
ORO = oil-range organics
VOCs = volatile organic compounds
SVOCs = semi-volatile organic compounds
mg/kg = Milligrams per kilogram
µg/kg = Micrograms per kilogram
ND, < = All analytes not detected at concentrations exceeding the laboratory reporting limits
NA = not applicable
RSLs = U.S. Environmental Protection Agency, Region 9, Regional Screening Levels, (Residential - Soil)
Sample ID - Boring location and depth of sample collected

APPENDIX A

PERMIT #LMWP-001791
A.P.N. # 505-672-03-00
EST # NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM
SOIL BORING CONSTRUCTION PERMIT

SITE NAME: SWEETWATER VISTAS

SITE ADDRESS: W OF SWEETWATER SPRINGS BLVD. AND JAMACHA BLVD., SPRING VALLEY, CA 91977

PERMIT FOR: **8 SOIL BORINGS**

PERMIT APPROVAL DATE: JULY 20, 2015

PERMIT EXPIRES ON: NOVEMBER 16, 2015

RESPONSIBLE PARTY: SWEETWATER LLC, BY DOUGLAS WILSON COMPANIES

PERMIT CONDITIONS:

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material.**

2. All borings must be properly destroyed within 24 hours of drilling.

3. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.

4. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, E- 4. (**http://www.sdcounty.ca.gov/deh/lwq/sam/manual_guidelines.html**). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

5. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

6. This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at (858) 505-6688.

NOTE: **This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.**

APPROVED BY: _____ DATE: 07/20/2015
VERONICA TAVIZON

PERMIT APPLICATION
GROUNDWATER
AND VADOSE MONITORING WELLS
AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT LMWP# 001791
SAM CASE Y/N # NONE
DATE RECEIVED: 07/14/2015
FEE PAID: $543.00
CHECK # ONINE

A. RESPONSIBLE PARTY Sweetwater Vistas LLC, By Douglas Wilson Companies
E-mail tplowden@douglaswilson.com
(The person, persons, or company responsible for the construction, maintenance, and destruction of the proposed borings and/or wells.)
Mailing Address 1620 Fifth Avenue, Suite 400 City San Diego State CA Zip 92101
Contact Person Terry Plowden Phone 619-906-4352 Ext.____

B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE # ____

C. CONSULTING FIRM Geocon Incorporated
Mailing Address 6960 Flanders Drive City San Diego State CA Zip 92121
Registered Professional Elizabeth Miller Phone 858-558-6900x252 Registration #9261(PG)
E-mail miller@geoconinc.com
Contact Person Elizabeth Miller Phone 619-395-0390 (Cell) Ext____ Email same

D. DRILLING COMPANY Cascade Drilling C57#938110
Contact Name Manuel Marquez E-mail mmarquez@cascadedrilling.com
Mailing Address 11442 N.Woodside Avenue City Santee State CA Zip 92071
Phone 619-596-0644 Ext.619-616-9862

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	___
☐ Vadose	___
☒ Boring	8
☐ Other	___

NUMBER OF WELLS TO BE DESTROYED

☐ Destruction ___

MATERIALS TO BE USED

CASING
Not Applicable N/A
Type ____
Gauge____
Diameter ____
Screen Size ____
Filter Pack ____

SEAL/BORING BACKFILL
☐ Neat Cement
☒ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☐ Other
Borehole diameter ____

Drilling Method
☒ Auger
☐ Direct Push
☐ Other ____
☐ Air Rotary
☐ Sonic
☐ Percussion

PROPOSED CONSTRUCTION
Estimated Groundwater Depth: 50 ft.
Estimated Depth of Boring: 30 ft.
Concrete Seal: 0 to 3
Annular Seal: ____to____
Filter Pack: ____to____
Perforation: ____to____

NOTE: Attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE _____ DATE 7/14/2015

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk (858) 505-6688 with a complete well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

PG/RCE/CEG SIGNATURE Elizabeth Mills DATE 7/14/2015

F. SITE INFORMATION - A Property Owner Consent agreement is required for all applications, except for onsite, open LOP/SAM site assessment cases, Caltrans properties and military properties. Submit a separate sheet for additional parcels.

1. ASSESSOR'S PARCEL NUMBER 505-672-03

Site Name Sweetwater Vistas

Site Address W. of Sweetwater Springs Blvd and Jamacha Blvd City Spring Valley Zip 91977

PROPERTY OWNER Sweetwater Vistas, LLC

Phone 619-906-4352 Ext. _____ Fax 619-906-4353

Mailing Address 1620 Fifth Avenue, Suite 400 City San Diego State CA Zip92101

NUMBER OF WELLS 8 **TYPE OF WELLS** Environmental Soil Borings

2. ASSESSOR'S PARCEL NUMBER _____

Site Address _____ City _____ Zip _____

PROPERTY OWNER _____

Phone _____ Ext. _____ Fax _____

Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

G. QUESTIONNAIRE: Please answer all applicable questions completely *and submit any required supportive documentation.*

1. What is the purpose of the well/boring investigation?

   ☐ a. Part of an ongoing site assessment case in which a government regulator is the lead agency. If yes, indicate which government regulator is the lead agency and the case number.

   DEH RWQCB DTSC

   ☐ b. Part of a Phase I investigation for property ownership transfer.

   ☐ c. Geotechnical investigation for proposed construction or land stabilization.

   ☒ d. Other: Part of an Phase I investigation prior to site development

2. If wells are to be destroyed, provide a description of method of destruction n/a

3. Are you proposing a variation from current SAM Manual Requirements for the construction or destruction of borings, Vadose and/or Groundwater Monitoring Wells? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines (www.sdcdeh.org). Yes ☐ No ☒

H. FEES

ACTIVITY	FEE SCHEDULE	AMOUNT
Permit for Well Installations Only (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells)	$200.00 for the first monitoring well	**$200.00**
Each Additional New Well	$161.00 for each additional well installation	_____x **$161.00**
New Well Inspection	$99.00 for first new well inspection	**$99.00**
	$30.00 for each additional new well inspection	_____x **$ 30.00**
Permit for Borings Only *(CPT's, Hydropunch, Geoprobes, Temporary Well Points, etc.)*	$200.00 for the first boring	1x **$200.00** **200**
	$49.00 for each additional boring	7x **$ 49.00** **343**
Permit for Well Destructions Only	$200.00 for the first destruction	_____x **$200.00** _____
	$123.00 for each additional destruction	_____x **$123.00** _____
Permit for any Combination of Well Installations, Borings, & Destructions ***(Except Enhanced Leak Detection)***	$200.00 for the first activity	_____x **$200.00** _____
	$161.00 for each additional well	_____x **$161.00** _____
	$99.00 for first well maintenance inspection	_____x **$ 99.00** _____
	$ 30.00 for each additional well maintenance inspection	_____x **$ 30.00** _____
	$123.00 for each well destruction	_____x **$123.00** _____
	$ 49.00 for each additional boring	_____x **$ 49.00** _____
Permit for Enhanced Leak Detection	**$320.00 (Flat Fee)**	**$**_____
	TOTAL COST OF PERMIT	**$ 543**

County of San Diego

JACK MILLER
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(858)505-6688
www.sdcdeh.org

ELIZABETH POZZEBON
ASSISTANT DIRECTOR

PROPERTY OWNER CONSENT

Proposed locations for subsurface work:

Property Address:	**Assessor's Parcel Number (APN):**
West of Sweetwater Springs Blvd and Jamacha Blvd	505-672-03
Spring Valley, California	_____

I, _____, owner of the property/properties listed above, give my permission to Geocon Incoroprated and Cascade Drilling (consulting company, contractor) to conduct the following work at the locations stated above.

☐ Install _____ monitoring wells ☐ Destroy _____ monitoring wells ☒ Drill 8 soil borings

I understand that Elizabeth Miller, PG (registered professional) of Geocon Incorporated (consulting company) and an authorized signer for Cascade Drilling (drilling company) have submitted a signed application to the Department of Environmental Health in which they have agreed to complete the above-stated work according the requirements of the current SAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction. I have arranged with the Responsible Party, the person who causes to have monitoring wells/borings installed or existing wells destroyed on this property, to ensure proper closure of the monitoring wells/borings.

Property Owner Signature: Nancy Cook Date: July 10, 2015

Print Name: Nancy Cook Title: CFO

Company: Sweetwater Vistas LLC, by Douglas Wilson Companies, Manager

Mailing Address: 1620 Fifth Avenue, San Diego, CA 92101

PLANNING AREA C

TABULATIONS

SITE AREA

DENSITY

2 STORY STACKED FLATS

PLAN 1

PLAN 2

PLAN 3

RESIDENTIAL PARKING

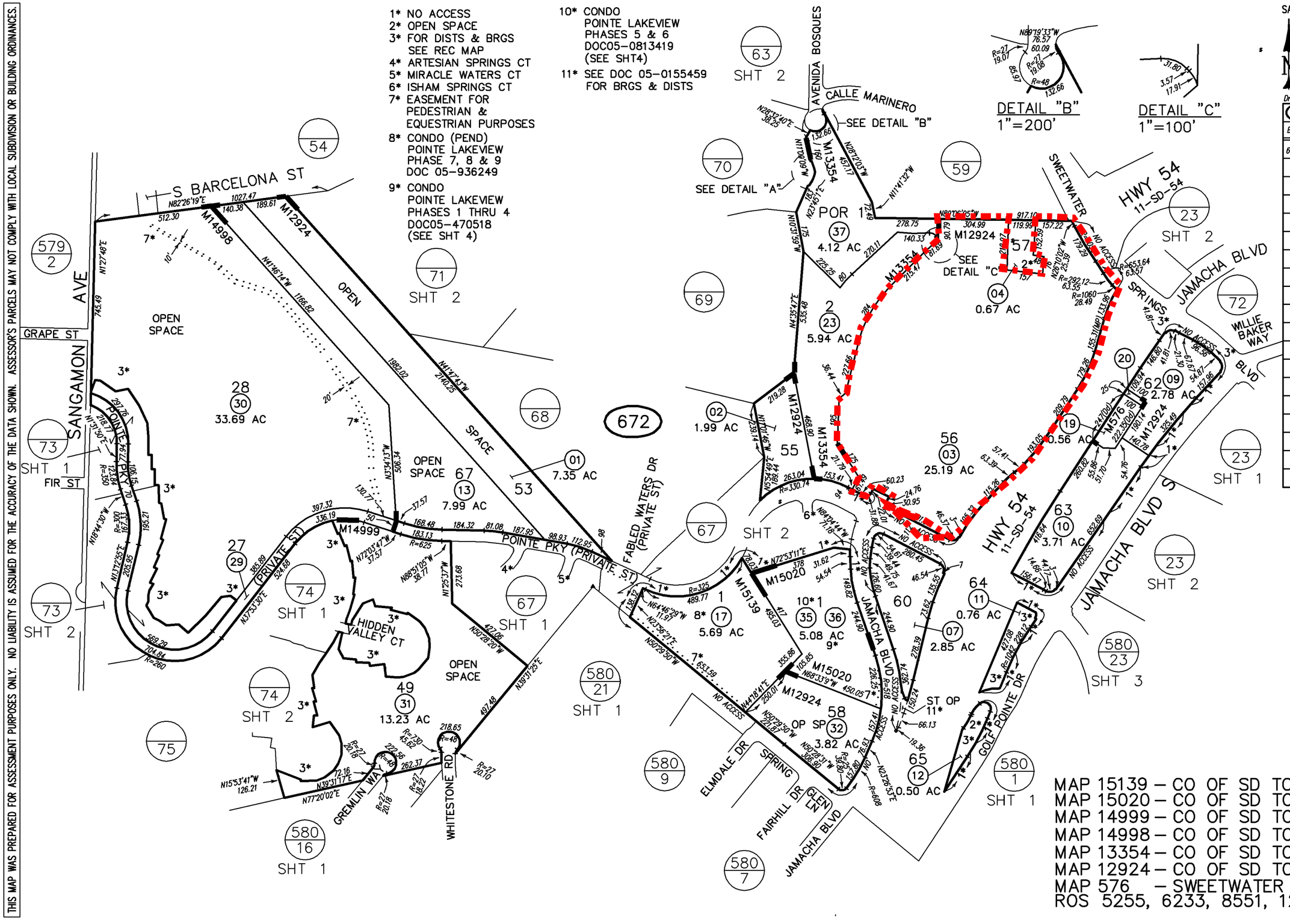
● Proposed Boring Locations

Sweetwater Vistas
Spring Valley, CA

July 2015

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN. ASSESSOR'S PARCELS MAY NOT COMPLY WITH LOCAL SUBDIVISION OR BUILDING ORDINANCES.

1* NO ACCESS
2* OPEN SPACE
3* FOR DISTS & BRGS SEE REC MAP
4* ARTESIAN SPRINGS CT
5* MIRACLE WATERS CT
6* ISHAM SPRINGS CT
7* EASEMENT FOR PEDESTRIAN & EQUESTRIAN PURPOSES
8* CONDO (PEND) POINTE LAKEVIEW PHASE 7, 8 & 9 DOC 05-936249
9* CONDO POINTE LAKEVIEW PHASES 1 THRU 4 DOC05-470518 (SEE SHT 4)
10* CONDO POINTE LAKEVIEW PHASES 5 & 6 DOC05-0813419 (SEE SHT4)
11* SEE DOC 05-0155459 FOR BRGS & DISTS



SAN DIEGO COUNTY ASSESSOR'S MAP
505 — 67
SHT 3 OF 4
1" = 400'
12/17/2013 DJS

Drawn: 04/22/92 By: AP From: 505-220

CHANGES

BLK	PRIOR APN	NEW APN	YR	CUT NO.
672		01 THRU 05, 07 & 09 THRU 18	93	1
	-231-09 & 10	19 & 20	93	10002
	-220-19	21		
	16 & 18	22 - 24	97	46
	15	25 & PGS 68 & 69	00	50
	25	26 & PG 70	00	52
	14	27 & 28	00	1348 CANC
	26	PG 71	02	2
	21	POR PG 71	02	10000
	07	SAME & ST OP	06	4634
	05, 17 & 24	SAME & NO ACCESS	06	5523
	27&28	29THRU31 POR PGS 73-75	06	57
	05	32 & 33	06	1037
	24 & 33	34	06	77
	34	35 & 36 CONDO	06	769
	22	37 & -700-46	14	1539

DETAIL "A"
1"=100'

N83°06'37"E 4.12
N18°59'13"W 17.21
N18°20'21"W 15.90
N14°35'47"W 16.15
N08°25'48"E 13.36
N20°16'20"E 14.94
N21°25'36"E 10.86
N30°48'16"E 12.73
N35°13'37"E 11.91
N63°10'31"E 7.97

MAP 15139 — CO OF SD TCT NO 5297-1
MAP 15020 — CO OF SD TCT NO 5296-1
MAP 14999 — CO OF SD TCT NO 4828-9
MAP 14998 — CO OF SD TCT NO 4828-8
MAP 13354 — CO OF SD TCT NO 4828-3
MAP 12924 — CO OF SD TCT NO 4828-1
MAP 576 — SWEETWATER SPRINGS
ROS 5255, 6233, 8551, 12873

Elizabeth Miller

From: Tavizon, Veronica <Veronica.Tavizon@sdcounty.ca.gov> on behalf of DEH, Monitoring Wells <MonitoringWells.DEH@sdcounty.ca.gov>
Sent: Monday, August 10, 2015 9:34 AM
To: Ben Eastman
Subject: RE: Approved Permit Modification LMWP 001791 SWEETWATER VISTAS

Dear Consultant,

*Your request to modify permit LMWP-001791 to drill **3 additional borings** is approved. The permit modification fee was paid on August 4, 2015.*

We are no longer issuing Permit Modification documents; please keep this email as confirmation that the permit has been modified.

Thank you,

Veronica Tavizon-Hitchner, EHT
Monitoring Well Program
Department of Environmental Health
County of San Diego

(858) 505-6789
P.O. Box 129261, San Diego, CA 92112-9261
or
5500 Overland Ave., Ste 210, San Diego, CA 92123

From: Ben Eastman [mailto:eastman@geoconinc.com]
Sent: Tuesday, August 4, 2015 12:26 PM
To: Tavizon, Veronica <Veronica.Tavizon@sdcounty.ca.gov>
Subject: FW: Modification LMWP 001791 INVOICE SWEETWATER VISTAS

Hi Veronica-Please find attached the receipt for payment of additional fees along with a site map showing the 11 soil borings and a POC for the additional three borings. The 60-day drilling report will provide additional details. Let me know if you have any questions, and thanks again for your help.

Benjamin G. Eastman, PG | *Senior Geologist/Environmental Manager*
Geocon Incorporated
6960 Flanders Drive, San Diego, CA 92121-2974
P|858.558.6900 M|858.524.9451
www.geoconinc.com / Facebook / Linkedin
San Diego / Palm Desert / Riverside County / Orange County / Los Angeles / Bakersfield / Fairfield / Bay Area / Sacramento

- Geotechnical Investigations
- Foundation Design/Ground Improvement
- Fault Studies / Seismic Hazards
- Percolation Testing (Infiltration)
- Pavement Evaluation & Design
- Instrumentation (Extensometers/Inclinometers)
- Geotechnical Inspection & Testing
- Special Inspection & Testing
- Soils & Materials Laboratory Testing
- Phase I & II ESAs
- Asbestos & Lead Services
- Hazmat Remediation

From: Tania Hoeckelmann
Sent: Tuesday, August 04, 2015 8:20 AM
To: Ben Eastman
Subject: RE: Modification LMWP 001791 INVOICE SWEETWATER VISTAS

Your receipt

Tania Hoeckelmann | ***Accounting***
Geocon Incorporated
6960 Flanders Drive, San Diego, CA 92121-2974
Tel 858.558.6900 Fax 858.455.0635
www.geoconinc.com

From: Ben Eastman
Sent: Monday, August 03, 2015 4:16 PM
To: Tania Hoeckelmann
Subject: FW: Modification LMWP 001791 INVOICE SWEETWATER VISTAS

Hi Tania-Please submit payment for the attached invoice. Thanks.

Benjamin G. Eastman, PG | *Senior Geologist/Environmental Manager*
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- Phase I & II ESAs
- Asbestos & Lead Services
- Hazmat Remediation

From: Tavizon, Veronica [mailto:Veronica.Tavizon@sdcounty.ca.gov] **On Behalf Of** DEH, Monitoring Wells
Sent: Monday, August 03, 2015 7:18 AM
To: Ben Eastman
Subject: RE: Modification LMWP 001791 INVOICE SWEETWATER VISTAS

Ben,

Summit a site map which includes the additional boring locations and a POC to the permit desk by August 10, 2015. Attached is the invoice for the three additional borings drilled.

Future modification request and/or notifications are to be submitted to the permit desk via email prior to commencing drilling activities . As long as the additional work is on parcels already approved there shouldn't be an issued. Follow-up within five days with a site map and POC. A POC is always required except for onsite open LOP cases which DEH is the lead agency.

Sincerely,

Veronica

Veronica Tavizon-Hitchner, EHT
Monitoring Well Program
Department of Environmental Health
County of San Diego

(858) 505-6789
P.O. Box 129261, San Diego, CA 92112-9261
or
5500 Overland Ave., Ste 210, San Diego, CA 92123

From: Ben Eastman [mailto:eastman@geoconinc.com]
Sent: Friday, July 31, 2015 12:14 PM
To: DEH, Monitoring Wells <MonitoringWells.DEH@sdcounty.ca.gov>
Subject: RE: LMWP 001791 INVOICE SWEETWATER VISTAS

Veronica-We anticipated 8 borings but in the field we encountered native material deeper than anticipated and therefore it was a field decision to go deeper in some of the borings. All of the borings are on the same parcel and are located close together.

From: Tavizon, Veronica [mailto:Veronica.Tavizon@sdcounty.ca.gov] **On Behalf Of** DEH, Monitoring Wells
Sent: Friday, July 31, 2015 11:45 AM
To: Ben Eastman
Subject: RE: LMWP 001791 INVOICE SWEETWATER VISTAS

I had just issued the permit when she called and I asked. I requested an email be sent to the permit desk if they were going DO additional work. If the boring are in the same parcel(s) ok but needed to email the permit desk and submit a new POC and map. Searched emails I don't see any emails.

From: Ben Eastman [mailto:eastman@geoconinc.com]
Sent: Friday, July 31, 2015 9:40 AM
To: DEH, Monitoring Wells <MonitoringWells.DEH@sdcounty.ca.gov>
Subject: RE: LMWP 001791 INVOICE SWEETWATER VISTAS

Hi Veronica-Elizabeth Miller told me she called in the notification on July 21. We completed the drilling between July 23 and 28 (4 days total).

Benjamin G. Eastman, PG | *Senior Geologist/Environmental Manager*
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- Special Inspection & Testing
- Soils & Materials Laboratory Testing
- Phase I & II ESAs
- Asbestos & Lead Services
- Hazmat Remediation

From: Tavizon, Veronica [mailto:Veronica.Tavizon@sdcounty.ca.gov] **On Behalf Of** DEH, Monitoring Wells
Sent: Friday, July 31, 2015 9:14 AM
To: Ben Eastman
Subject: RE: LMWP 001791 INVOICE SWEETWATER VISTAS

Hi Ben,

When was the permit desk notified (email or call) ? I don't see anything pending for this permit.

Thanks,

Veronica

From: Ben Eastman [mailto:eastman@geoconinc.com]
Sent: Thursday, July 30, 2015 11:05 AM
To: DEH, Monitoring Wells <MonitoringWells.DEH@sdcounty.ca.gov>
Cc: Elizabeth Miller <miller@geoconinc.com>
Subject: RE: LMWP 001791 INVOICE SWEETWATER VISTAS

Hi Veronica-The attached permit is for 8 soil borings. We completed drilling this week which required an additional three borings greater than 20 feet, for a total of 11 borings. Can you send an invoice and we'll pay the additional fees?

Benjamin G. Eastman, PG | *Senior Geologist/Environmental Manager*
Geocon Incorporated
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- Geotechnical Inspection & Testing
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- Soils & Materials Laboratory Testing
- Phase I & II ESAs
- Asbestos & Lead Services
- Hazmat Remediation

From: Tavizon, Veronica [mailto:Veronica.Tavizon@sdcounty.ca.gov] **On Behalf Of** DEH, Monitoring Wells
Sent: Wednesday, July 15, 2015 11:11 AM
To: Elizabeth Miller
Subject: LMWP 001791 INVOICE SWEETWATER VISTAS

Dear Applicant:

Your permit application has been received. Please reference the Record Number: DEH2015-LMWP-001791.

Attached is a copy of your invoice. Online payment for any application can be made by Credit Card, E-check, in person, or by mail. Online payments can be made by navigating to the following website https://publicservices.sdcounty.ca.gov/citizenaccess/ Click on the DEH tab and search by your record number.

Since the processing time continues when the payment is posted, please notify the Permit Desk at DEH.Monitoringwells@sdcounty.ca.gov when the payment has been made. Notification will ensure the application status is changed allowing the next step in processing your application and avoiding delays issuing your permit.

Provided that the payment is received within 48 hours from the time you receive the invoice, the permit will generally be issued in 3 business days from the application submittal date sooner if possible.

Thank you,

Veronica Tavizon-Hitchner, EHT
Monitoring Well Program
Department of Environmental Health
County of San Diego

(858) 505-6789
P.O. Box 129261, San Diego, CA 92112-9261
or
5500 Overland Ave., Ste 210, San Diego, CA 92123

APPENDIX B

ADVANCED TECHNOLOGY LABORATORIES

August 03, 2015

Ben Eastman
Geocon, Inc.
6960 Flanders Drive
San Diego, CA 92121
Tel: (858) 558-6100
Fax:(858) 558-8437

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

Re: ATL Work Order Number : 1502586
Client Reference : SWEETWATER VISTAS, 08175-06-08

Enclosed are the results for sample(s) received on July 24, 2015 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1 / 5'	1502586-01	Soil	7/23/15 9:40	7/24/15 15:45
B1 / 9'	1502586-02	Soil	7/23/15 9:50	7/24/15 15:45
B2 / 3'	1502586-03	Soil	7/23/15 13:00	7/24/15 15:45
B2 / 5.5'	1502586-04	Soil	7/23/15 13:20	7/24/15 15:45
B2 / 7'	1502586-05	Soil	7/23/15 13:40	7/24/15 15:45
B3 / 5'	1502586-06	Soil	7/23/15 14:40	7/24/15 15:45
B3 / 10'	1502586-07	Soil	7/23/15 14:56	7/24/15 15:45
B3 / 20'	1502586-08	Soil	7/23/15 15:05	7/24/15 15:45
B4 / 10'	1502586-10	Soil	7/23/15 16:20	7/24/15 15:45
B4 / 15'	1502586-11	Soil	7/23/15 16:30	7/24/15 15:45
B5 / 5'	1502586-13	Soil	7/24/15 7:45	7/24/15 15:45
B5 / 10'	1502586-14	Soil	7/24/15 7:55	7/24/15 15:45
B5 / 15'	1502586-15	Soil	7/24/15 8:05	7/24/15 15:45
B5 / 19'	1502586-16	Soil	7/24/15 8:15	7/24/15 15:45
B5 / 25'	1502586-17	Soil	7/24/15 8:30	7/24/15 15:45
B7 / 5'	1502586-18	Soil	7/24/15 9:30	7/24/15 15:45
B7 / 10'	1502586-19	Soil	7/24/15 9:40	7/24/15 15:45
B7 / 15'	1502586-20	Soil	7/24/15 9:45	7/24/15 15:45
B7 / 20'	1502586-21	Soil	7/24/15 9:50	7/24/15 15:45
B7 / 25'	1502586-22	Soil	7/24/15 10:00	7/24/15 15:45
B7 / 30'	1502586-23	Soil	7/24/15 10:10	7/24/15 15:45
B8 / 5'	1502586-25	Soil	7/24/15 11:35	7/24/15 15:45
B8 / 10'	1502586-26	Soil	7/24/15 11:45	7/24/15 15:45
B8 / 15'	1502586-27	Soil	7/24/15 11:55	7/24/15 15:45
B8 / 20'	1502586-28	Soil	7/24/15 12:00	7/24/15 15:45
B8 / 25'	1502586-29	Soil	7/24/15 12:10	7/24/15 15:45
B9 / 5'	1502586-31	Soil	7/24/15 13:15	7/24/15 15:45
B9 / 10'	1502586-32	Soil	7/24/15 13:20	7/24/15 15:45
B9 / 15'	1502586-33	Soil	7/24/15 13:30	7/24/15 15:45

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B1 / 5'
Lab ID: 1502586-01

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 15:59	
Arsenic	**3.3**	1.0	1	B5G0677	07/31/2015	07/31/15 15:59	
Barium	**130**	1.0	1	B5G0677	07/31/2015	07/31/15 15:59	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 15:58	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 15:59	
Chromium	**6.6**	1.0	1	B5G0677	07/31/2015	07/31/15 15:59	
Cobalt	**1.8**	1.0	1	B5G0677	07/31/2015	07/31/15 15:59	
Copper	**7.6**	2.0	1	B5G0677	07/31/2015	07/31/15 15:59	
Lead	**6.6**	1.0	1	B5G0677	07/31/2015	07/31/15 15:59	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 15:59	
Nickel	**2.2**	1.0	1	B5G0677	07/31/2015	07/31/15 15:59	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 15:59	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 15:59	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 15:59	
Vanadium	**23**	1.0	1	B5G0677	07/31/2015	07/31/15 15:59	
Zinc	**16**	1.0	1	B5G0677	07/31/2015	07/31/15 15:59	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:09	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0670	07/23/2015	07/31/15 13:52	
Surrogate: 4-Bromofluorobenzene	*88.4 %*	*37 - 153*		B5G0670	07/23/2015	*07/31/15 13:52*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0648	07/30/2015	08/01/15 00:57	
ORO	ND	10	1	B5G0648	07/30/2015	08/01/15 00:57	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B1 / 5'
Lab ID: 1502586-01

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*109 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 00:57*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:24	
4,4´-DDE	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:24	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:24	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:24	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:24	
alpha-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:24	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:24	
Chlordane [2C]	ND	8.5	1	B5G0623	07/29/2015	07/30/15 09:24	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:24	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:24	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:24	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:24	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:24	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:24	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:24	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:24	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:24	
gamma-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:24	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:24	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:24	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 09:24	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 09:24	
Surrogate: Decachlorobiphenyl	*91.2 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 09:24*	
Surrogate: Tetrachloro-m-xylene	*77.4 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 09:24*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B1 / 5'

Lab ID: 1502586-01

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0623	07/29/2015	07/30/15 09:12	
Aroclor 1221	ND	16	1	B5G0623	07/29/2015	07/30/15 09:12	
Aroclor 1232	ND	16	1	B5G0623	07/29/2015	07/30/15 09:12	
Aroclor 1242	ND	16	1	B5G0623	07/29/2015	07/30/15 09:12	
Aroclor 1248	ND	16	1	B5G0623	07/29/2015	07/30/15 09:12	
Aroclor 1254	ND	16	1	B5G0623	07/29/2015	07/30/15 09:12	
Aroclor 1260	ND	16	1	B5G0623	07/29/2015	07/30/15 09:12	
Aroclor 1262	ND	16	1	B5G0623	07/29/2015	07/30/15 09:12	
Aroclor 1268	ND	16	1	B5G0623	07/29/2015	07/30/15 09:12	
Surrogate: Decachlorobiphenyl	*94.6 %*	*8 - 143*		B5G0623	07/29/2015	*07/30/15 09:12*	
Surrogate: Tetrachloro-m-xylene	*79.1 %*	*27 - 124*		B5G0623	07/29/2015	*07/30/15 09:12*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 11:14	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B1 / 5'

Lab ID: 1502586-01

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 11:14	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 11:14	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 11:14	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B1 / 5'

Lab ID: 1502586-01

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 11:14	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 11:14	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:14	
Surrogate: 1,2-Dichloroethane-d4	*87.6 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 11:14*	
Surrogate: 4-Bromofluorobenzene	*87.0 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 11:14*	
Surrogate: Dibromofluoromethane	*107 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 11:14*	
Surrogate: Toluene-d8	*97.4 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 11:14*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:45	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:45	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:45	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B1 / 5'

Lab ID: 1502586-01

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 20:45	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:45	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:45	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 20:45	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 20:45	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:45	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:45	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:45	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 20:45	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 20:45	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B1 / 5'

Lab ID: 1502586-01

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 20:45	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:45	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:45	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:45	
Surrogate: 1,2-Dichlorobenzene-d4	*67.8 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 20:45*	
Surrogate: 2,4,6-Tribromophenol	*73.3 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 20:45*	
Surrogate: 2-Chlorophenol-d4	*76.8 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 20:45*	
Surrogate: 2-Fluorobiphenyl	*73.0 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 20:45*	
Surrogate: 2-Fluorophenol	*74.5 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 20:45*	
Surrogate: 4-Terphenyl-d14	*78.6 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 20:45*	
Surrogate: Nitrobenzene-d5	*79.6 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 20:45*	
Surrogate: Phenol-d5	*76.1 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 20:45*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B1 / 9'
Lab ID: 1502586-02

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 16:09	
Arsenic	**2.6**	1.0	1	B5G0677	07/31/2015	07/31/15 16:09	
Barium	**89**	1.0	1	B5G0677	07/31/2015	07/31/15 16:08	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:08	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:09	
Chromium	**11**	1.0	1	B5G0677	07/31/2015	07/31/15 16:08	
Cobalt	**4.9**	1.0	1	B5G0677	07/31/2015	07/31/15 16:09	
Copper	**12**	2.0	1	B5G0677	07/31/2015	07/31/15 16:08	
Lead	**9.1**	1.0	1	B5G0677	07/31/2015	07/31/15 16:09	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:08	
Nickel	**2.9**	1.0	1	B5G0677	07/31/2015	07/31/15 16:09	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:09	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:08	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:09	
Vanadium	**37**	1.0	1	B5G0677	07/31/2015	07/31/15 16:08	
Zinc	**26**	1.0	1	B5G0677	07/31/2015	07/31/15 16:08	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:17	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0670	07/23/2015	07/31/15 14:08	
Surrogate: 4-Bromofluorobenzene	*83.2 %*	*37 - 153*		B5G0670	07/23/2015	*07/31/15 14:08*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**33**	10	1	B5G0648	07/30/2015	08/01/15 03:14	
ORO	**80**	10	1	B5G0648	07/30/2015	08/01/15 03:14	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B1 / 9'
Lab ID: 1502586-02

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*130 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 03:14*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:52	
4,4´-DDE	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:52	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:52	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:52	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:52	
alpha-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:52	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:52	
Chlordane	ND	8.5	1	B5G0623	07/29/2015	07/30/15 12:52	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:52	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:52	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:52	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:52	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:52	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:52	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:52	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:52	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:52	
gamma-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:52	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:52	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:52	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 12:52	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 12:52	
Surrogate: Decachlorobiphenyl	*69.9 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 12:52*	
Surrogate: Tetrachloro-m-xylene	*63.6 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 12:52*	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B1 / 9'
Lab ID: 1502586-02

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0623	07/29/2015	07/30/15 09:31	
Aroclor 1221	ND	16	1	B5G0623	07/29/2015	07/30/15 09:31	
Aroclor 1232	ND	16	1	B5G0623	07/29/2015	07/30/15 09:31	
Aroclor 1242	ND	16	1	B5G0623	07/29/2015	07/30/15 09:31	
Aroclor 1248	ND	16	1	B5G0623	07/29/2015	07/30/15 09:31	
Aroclor 1254	ND	16	1	B5G0623	07/29/2015	07/30/15 09:31	
Aroclor 1260	ND	16	1	B5G0623	07/29/2015	07/30/15 09:31	
Aroclor 1262	ND	16	1	B5G0623	07/29/2015	07/30/15 09:31	
Aroclor 1268	ND	16	1	B5G0623	07/29/2015	07/30/15 09:31	
Surrogate: Decachlorobiphenyl	*75.7 %*	*8 - 143*		B5G0623	07/29/2015	*07/30/15 09:31*	
Surrogate: Tetrachloro-m-xylene	*74.8 %*	*27 - 124*		B5G0623	07/29/2015	*07/30/15 09:31*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 11:32	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B1 / 9'

Lab ID: 1502586-02

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 11:32	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 11:32	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 11:32	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B1 / 9'

Lab ID: 1502586-02

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 11:32	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 11:32	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:32	
Surrogate: 1,2-Dichloroethane-d4	*86.5 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 11:32*	
Surrogate: 4-Bromofluorobenzene	*85.8 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 11:32*	
Surrogate: Dibromofluoromethane	*104 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 11:32*	
Surrogate: Toluene-d8	*95.3 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 11:32*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:32	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:32	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:32	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B1 / 9'

Lab ID: 1502586-02

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 23:32	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:32	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:32	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 23:32	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 23:32	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:32	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:32	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:32	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 23:32	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 23:32	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B1 / 9'

Lab ID: 1502586-02

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 23:32	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:32	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:32	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:32	
Surrogate: 1,2-Dichlorobenzene-d4	*73.7 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 23:32*	
Surrogate: 2,4,6-Tribromophenol	*80.7 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 23:32*	
Surrogate: 2-Chlorophenol-d4	*82.6 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 23:32*	
Surrogate: 2-Fluorobiphenyl	*83.2 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 23:32*	
Surrogate: 2-Fluorophenol	*79.4 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 23:32*	
Surrogate: 4-Terphenyl-d14	*85.4 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 23:32*	
Surrogate: Nitrobenzene-d5	*86.9 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 23:32*	
Surrogate: Phenol-d5	*81.2 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 23:32*	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B2 / 3'
Lab ID: 1502586-03

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 16:12	
Arsenic	**1.4**	1.0	1	B5G0677	07/31/2015	07/31/15 16:12	
Barium	**250**	1.0	1	B5G0677	07/31/2015	07/31/15 16:12	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:11	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:12	
Chromium	**7.5**	1.0	1	B5G0677	07/31/2015	07/31/15 16:12	
Cobalt	**2.7**	1.0	1	B5G0677	07/31/2015	07/31/15 16:12	
Copper	**5.6**	2.0	1	B5G0677	07/31/2015	07/31/15 16:12	
Lead	**14**	1.0	1	B5G0677	07/31/2015	07/31/15 16:12	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:12	
Nickel	**2.7**	1.0	1	B5G0677	07/31/2015	07/31/15 16:12	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:12	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:12	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:12	
Vanadium	**13**	1.0	1	B5G0677	07/31/2015	07/31/15 16:12	
Zinc	**29**	1.0	1	B5G0677	07/31/2015	07/31/15 16:12	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:19	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0670	07/23/2015	07/31/15 14:24	
Surrogate: 4-Bromofluorobenzene	*81.0 %*	*37 - 153*		B5G0670	07/23/2015	*07/31/15 14:24*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0648	07/30/2015	08/01/15 01:15	
ORO	ND	10	1	B5G0648	07/30/2015	08/01/15 01:15	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B2 / 3'
Lab ID: 1502586-03

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*109 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 01:15*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD [2C]	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:36	
4,4´-DDE	**13**	2.0	1	B5G0623	07/29/2015	07/30/15 09:36	
4,4´-DDT [2C]	**7.7**	2.0	1	B5G0623	07/29/2015	07/30/15 09:36	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:36	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:36	
alpha-Chlordane	**9.1**	1.0	1	B5G0623	07/29/2015	07/30/15 09:36	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:36	
Chlordane [2C]	**88**	8.5	1	B5G0623	07/29/2015	07/30/15 09:36	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:36	
Dieldrin	**2.8**	2.0	1	B5G0623	07/29/2015	07/30/15 09:36	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:36	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:36	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:36	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:36	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:36	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:36	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:36	
gamma-Chlordane	**9.7**	1.0	1	B5G0623	07/29/2015	07/30/15 09:36	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:36	
Heptachlor epoxide	**1.3**	1.0	1	B5G0623	07/29/2015	07/30/15 09:36	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 09:36	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 09:36	
Surrogate: Decachlorobiphenyl	*87.0 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 09:36*	
Surrogate: Tetrachloro-m-xylene	*72.0 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 09:36*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B2 / 3'

Lab ID: 1502586-03

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0623	07/29/2015	07/30/15 09:50	
Aroclor 1221	ND	16	1	B5G0623	07/29/2015	07/30/15 09:50	
Aroclor 1232	ND	16	1	B5G0623	07/29/2015	07/30/15 09:50	
Aroclor 1242	ND	16	1	B5G0623	07/29/2015	07/30/15 09:50	
Aroclor 1248	ND	16	1	B5G0623	07/29/2015	07/30/15 09:50	
Aroclor 1254	ND	16	1	B5G0623	07/29/2015	07/30/15 09:50	
Aroclor 1260	ND	16	1	B5G0623	07/29/2015	07/30/15 09:50	
Aroclor 1262	ND	16	1	B5G0623	07/29/2015	07/30/15 09:50	
Aroclor 1268	ND	16	1	B5G0623	07/29/2015	07/30/15 09:50	
Surrogate: Decachlorobiphenyl	*87.8 %*	*8 - 143*		B5G0623	07/29/2015	*07/30/15 09:50*	
Surrogate: Tetrachloro-m-xylene	*71.9 %*	*27 - 124*		B5G0623	07/29/2015	*07/30/15 09:50*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 11:51	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B2 / 3'

Lab ID: 1502586-03

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 11:51	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 11:51	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 11:51	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B2 / 3'

Lab ID: 1502586-03

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 11:51	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 11:51	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 11:51	
Surrogate: 1,2-Dichloroethane-d4	*93.6 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 11:51*	
Surrogate: 4-Bromofluorobenzene	*87.3 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 11:51*	
Surrogate: Dibromofluoromethane	*101 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 11:51*	
Surrogate: Toluene-d8	*95.1 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 11:51*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:21	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:21	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:21	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B2 / 3'

Lab ID: 1502586-03

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 19:21	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:21	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:21	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 19:21	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 19:21	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:21	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:21	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:21	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 19:21	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 19:21	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B2 / 3'

Lab ID: 1502586-03

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 19:21	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:21	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:21	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:21	
Surrogate: 1,2-Dichlorobenzene-d4	*67.3 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 19:21*	
Surrogate: 2,4,6-Tribromophenol	*72.6 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 19:21*	
Surrogate: 2-Chlorophenol-d4	*76.5 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 19:21*	
Surrogate: 2-Fluorobiphenyl	*76.7 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 19:21*	
Surrogate: 2-Fluorophenol	*74.1 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 19:21*	
Surrogate: 4-Terphenyl-d14	*82.1 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 19:21*	
Surrogate: Nitrobenzene-d5	*79.4 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 19:21*	
Surrogate: Phenol-d5	*76.8 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 19:21*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B2 / 5.5'

Lab ID: 1502586-04

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 16:15	
Arsenic	**4.0**	1.0	1	B5G0677	07/31/2015	07/31/15 16:15	
Barium	**55**	1.0	1	B5G0677	07/31/2015	07/31/15 16:15	
Beryllium	ND	2.0	2	B5G0677	07/31/2015	08/03/15 09:54	D5
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:15	
Chromium	**6.6**	1.0	1	B5G0677	07/31/2015	07/31/15 16:15	
Cobalt	**5.9**	1.0	1	B5G0677	07/31/2015	07/31/15 16:15	
Copper	**9.7**	2.0	1	B5G0677	07/31/2015	07/31/15 16:15	
Lead	**38**	1.0	1	B5G0677	07/31/2015	07/31/15 16:15	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:15	
Nickel	**4.1**	1.0	1	B5G0677	07/31/2015	07/31/15 16:15	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:15	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:15	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:15	
Vanadium	**52**	1.0	1	B5G0677	07/31/2015	07/31/15 16:15	
Zinc	**34**	1.0	1	B5G0677	07/31/2015	07/31/15 16:15	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:21	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0691	07/23/2015	07/31/15 18:23	
Surrogate: 4-Bromofluorobenzene	*82.9 %*	*37 - 153*		B5G0691	07/23/2015	*07/31/15 18:23*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0648	07/30/2015	08/01/15 01:32	
ORO	ND	10	1	B5G0648	07/30/2015	08/01/15 01:32	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B2 / 5.5'
Lab ID: 1502586-04

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*127 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 01:32*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:48	
4,4´-DDE	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:48	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:48	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:48	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:48	
alpha-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:48	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:48	
Chlordane	ND	8.5	1	B5G0623	07/29/2015	07/30/15 09:48	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:48	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:48	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:48	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:48	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:48	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:48	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:48	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 09:48	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:48	
gamma-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:48	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:48	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 09:48	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 09:48	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 09:48	
Surrogate: Decachlorobiphenyl	*76.3 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 09:48*	
Surrogate: Tetrachloro-m-xylene	*68.6 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 09:48*	

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B2 / 5.5'

Lab ID: 1502586-04

Polychlorinated Biphenyls by EPA 8082 — **Analyst: CL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0623	07/29/2015	07/30/15 10:09	
Aroclor 1221	ND	16	1	B5G0623	07/29/2015	07/30/15 10:09	
Aroclor 1232	ND	16	1	B5G0623	07/29/2015	07/30/15 10:09	
Aroclor 1242	ND	16	1	B5G0623	07/29/2015	07/30/15 10:09	
Aroclor 1248	ND	16	1	B5G0623	07/29/2015	07/30/15 10:09	
Aroclor 1254	ND	16	1	B5G0623	07/29/2015	07/30/15 10:09	
Aroclor 1260	ND	16	1	B5G0623	07/29/2015	07/30/15 10:09	
Aroclor 1262	ND	16	1	B5G0623	07/29/2015	07/30/15 10:09	
Aroclor 1268	ND	16	1	B5G0623	07/29/2015	07/30/15 10:09	
Surrogate: Decachlorobiphenyl	*87.3 %*	*8 - 143*		B5G0623	07/29/2015	*07/30/15 10:09*	
Surrogate: Tetrachloro-m-xylene	*77.7 %*	*27 - 124*		B5G0623	07/29/2015	*07/30/15 10:09*	

Volatile Organic Compounds by EPA 8260B — **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 10:55	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B2 / 5.5'

Lab ID: 1502586-04

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 10:55	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 10:55	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 10:55	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B2 / 5.5'

Lab ID: 1502586-04

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 10:55	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 10:55	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 10:55	
Surrogate: 1,2-Dichloroethane-d4	*89.8 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 10:55*	
Surrogate: 4-Bromofluorobenzene	*87.7 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 10:55*	
Surrogate: Dibromofluoromethane	*101 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 10:55*	
Surrogate: Toluene-d8	*93.8 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 10:55*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:49	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:49	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:49	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	

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Client Sample ID B2 / 5.5'

Lab ID: 1502586-04

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 19:49	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:49	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:49	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 19:49	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 19:49	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:49	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:49	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:49	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 19:49	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 19:49	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B2 / 5.5'

Lab ID: 1502586-04

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 19:49	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:49	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 19:49	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 19:49	
Surrogate: 1,2-Dichlorobenzene-d4	*67.6 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 19:49*	
Surrogate: 2,4,6-Tribromophenol	*71.2 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 19:49*	
Surrogate: 2-Chlorophenol-d4	*76.1 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 19:49*	
Surrogate: 2-Fluorobiphenyl	*76.3 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 19:49*	
Surrogate: 2-Fluorophenol	*73.2 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 19:49*	
Surrogate: 4-Terphenyl-d14	*81.2 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 19:49*	
Surrogate: Nitrobenzene-d5	*78.3 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 19:49*	
Surrogate: Phenol-d5	*74.9 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 19:49*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B2 / 7'

Lab ID: 1502586-05

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 16:18	
Arsenic	**3.6**	1.0	1	B5G0677	07/31/2015	07/31/15 16:18	
Barium	**66**	1.0	1	B5G0677	07/31/2015	07/31/15 16:18	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:17	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:18	
Chromium	**17**	1.0	1	B5G0677	07/31/2015	07/31/15 16:18	
Cobalt	**22**	1.0	1	B5G0677	07/31/2015	07/31/15 16:18	
Copper	**12**	2.0	1	B5G0677	07/31/2015	07/31/15 16:18	
Lead	**12**	1.0	1	B5G0677	07/31/2015	07/31/15 16:18	
Molybdenum	**1.6**	1.0	1	B5G0677	07/31/2015	07/31/15 16:18	
Nickel	**6.0**	1.0	1	B5G0677	07/31/2015	07/31/15 16:18	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:18	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:18	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:18	
Vanadium	**25**	1.0	1	B5G0677	07/31/2015	07/31/15 16:18	
Zinc	**26**	1.0	1	B5G0677	07/31/2015	07/31/15 16:18	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:23	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0670	07/23/2015	07/31/15 14:40	
Surrogate: 4-Bromofluorobenzene	*83.9 %*	*37 - 153*		B5G0670	07/23/2015	*07/31/15 14:40*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**98**	10	1	B5G0648	07/30/2015	08/01/15 04:05	
ORO	**270**	10	1	B5G0648	07/30/2015	08/01/15 04:05	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B2 / 7'
Lab ID: 1502586-05

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*108 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 04:05*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:00	
4,4´-DDE	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:00	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:00	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:00	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:00	
alpha-Chlordane [2C]	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:00	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:00	
Chlordane [2C]	ND	8.5	1	B5G0623	07/29/2015	07/30/15 10:00	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:00	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:00	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:00	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:00	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:00	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:00	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:00	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:00	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:00	
gamma-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:00	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:00	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:00	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 10:00	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 10:00	
Surrogate: Decachlorobiphenyl	*76.8 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 10:00*	
Surrogate: Tetrachloro-m-xylene	*65.6 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 10:00*	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B2 / 7'

Lab ID: 1502586-05

Polychlorinated Biphenyls by EPA 8082 — **Analyst: CL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0623	07/29/2015	07/30/15 10:28	
Aroclor 1221	ND	16	1	B5G0623	07/29/2015	07/30/15 10:28	
Aroclor 1232	ND	16	1	B5G0623	07/29/2015	07/30/15 10:28	
Aroclor 1242	ND	16	1	B5G0623	07/29/2015	07/30/15 10:28	
Aroclor 1248	ND	16	1	B5G0623	07/29/2015	07/30/15 10:28	
Aroclor 1254	ND	16	1	B5G0623	07/29/2015	07/30/15 10:28	
Aroclor 1260	ND	16	1	B5G0623	07/29/2015	07/30/15 10:28	
Aroclor 1262	ND	16	1	B5G0623	07/29/2015	07/30/15 10:28	
Aroclor 1268	ND	16	1	B5G0623	07/29/2015	07/30/15 10:28	
Surrogate: Decachlorobiphenyl	*81.0 %*	*8 - 143*		B5G0623	07/29/2015	*07/30/15 10:28*	
Surrogate: Tetrachloro-m-xylene	*70.5 %*	*27 - 124*		B5G0623	07/29/2015	*07/30/15 10:28*	

Volatile Organic Compounds by EPA 8260B — **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 12:09	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B2 / 7'

Lab ID: 1502586-05

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 12:09	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 12:09	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 12:09	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B2 / 7'

Lab ID: 1502586-05

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 12:09	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 12:09	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:09	
Surrogate: 1,2-Dichloroethane-d4	*91.0 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 12:09*	
Surrogate: 4-Bromofluorobenzene	*91.7 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 12:09*	
Surrogate: Dibromofluoromethane	*109 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 12:09*	
Surrogate: Toluene-d8	*102 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 12:09*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
1,2-Dichlorobenzene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
1,3-Dichlorobenzene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
1,4-Dichlorobenzene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
2,4,5-Trichlorophenol	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
2,4,6-Trichlorophenol	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
2,4-Dichlorophenol	ND	8200	5	B5G0606	07/29/2015	07/29/15 23:04	D1
2,4-Dimethylphenol	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
2,4-Dinitrophenol	ND	8200	5	B5G0606	07/29/2015	07/29/15 23:04	D1
2,4-Dinitrotoluene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
2,6-Dinitrotoluene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
2-Chloronaphthalene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
2-Chlorophenol	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
2-Methylnaphthalene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
2-Methylphenol	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
2-Nitroaniline	ND	8200	5	B5G0606	07/29/2015	07/29/15 23:04	D1
2-Nitrophenol	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B2 / 7'

Lab ID: 1502586-05

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	3300	5	B5G0606	07/29/2015	07/29/15 23:04	D1
3-Nitroaniline	ND	8200	5	B5G0606	07/29/2015	07/29/15 23:04	D1
4,6-Dinitro-2-methyphenol	ND	8200	5	B5G0606	07/29/2015	07/29/15 23:04	D1
4-Bromophenyl-phenylether	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
4-Chloro-3-methylphenol	ND	3300	5	B5G0606	07/29/2015	07/29/15 23:04	D1
4-Chloroaniline	ND	3300	5	B5G0606	07/29/2015	07/29/15 23:04	D1
4-Chlorophenyl-phenylether	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
4-Methylphenol	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
4-Nitroaniline	ND	8200	5	B5G0606	07/29/2015	07/29/15 23:04	D1
4-Nitrophenol	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Acenaphthene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Acenaphthylene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Anthracene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Benzidine (M)	ND	8200	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Benzo(a)anthracene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Benzo(a)pyrene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Benzo(b)fluoranthene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Benzo(g,h,i)perylene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Benzo(k)fluoranthene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Benzoic acid	ND	8200	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Benzyl alcohol	ND	3300	5	B5G0606	07/29/2015	07/29/15 23:04	D1
bis(2-chloroethoxy)methane	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
bis(2-Chloroethyl)ether	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
bis(2-chloroisopropyl)ether	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
bis(2-ethylhexyl)phthalate	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Butylbenzylphthalate	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Chrysene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Di-n-butylphthalate	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Di-n-octylphthalate	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Dibenz(a,h)anthracene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Dibenzofuran	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Diethyl phthalate	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Dimethyl phthalate	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Fluoranthene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Fluorene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Hexachlorobenzene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Hexachlorobutadiene	ND	3300	5	B5G0606	07/29/2015	07/29/15 23:04	D1

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B2 / 7'

Lab ID: 1502586-05

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	3300	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Hexachloroethane	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Indeno(1,2,3-cd)pyrene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Isophorone	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
N-Nitroso-di-n propylamine	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
N-Nitrosodiphenylamine	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Naphthalene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Nitrobenzene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Pentachlorophenol	ND	8200	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Phenanthrene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Phenol	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Pyrene	ND	1600	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Pyridine	ND	8200	5	B5G0606	07/29/2015	07/29/15 23:04	D1
Surrogate: 1,2-Dichlorobenzene-d4	*61.9 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 23:04*	
Surrogate: 2,4,6-Tribromophenol	*54.7 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 23:04*	
Surrogate: 2-Chlorophenol-d4	*72.8 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 23:04*	
Surrogate: 2-Fluorobiphenyl	*61.7 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 23:04*	
Surrogate: 2-Fluorophenol	*71.3 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 23:04*	
Surrogate: 4-Terphenyl-d14	*64.2 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 23:04*	
Surrogate: Nitrobenzene-d5	*76.2 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 23:04*	
Surrogate: Phenol-d5	*70.1 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 23:04*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B3 / 5'
Lab ID: 1502586-06

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 16:22	
Arsenic	**2.5**	1.0	1	B5G0677	07/31/2015	07/31/15 16:22	
Barium	**160**	1.0	1	B5G0677	07/31/2015	07/31/15 16:21	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:20	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:22	
Chromium	**5.3**	1.0	1	B5G0677	07/31/2015	07/31/15 16:21	
Cobalt	**2.9**	1.0	1	B5G0677	07/31/2015	07/31/15 16:22	
Copper	**11**	2.0	1	B5G0677	07/31/2015	07/31/15 16:21	
Lead	**11**	1.0	1	B5G0677	07/31/2015	07/31/15 16:22	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:22	
Nickel	**2.5**	1.0	1	B5G0677	07/31/2015	07/31/15 16:22	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:22	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:21	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:22	
Vanadium	**23**	1.0	1	B5G0677	07/31/2015	07/31/15 16:21	
Zinc	**31**	1.0	1	B5G0677	07/31/2015	07/31/15 16:21	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:29	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0670	07/23/2015	07/31/15 14:56	
Surrogate: 4-Bromofluorobenzene	*82.2 %*	*37 - 153*		B5G0670	07/23/2015	*07/31/15 14:56*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**25**	10	1	B5G0648	07/30/2015	08/01/15 02:39	
ORO	**47**	10	1	B5G0648	07/30/2015	08/01/15 02:39	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B3 / 5'
Lab ID: 1502586-06

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*137 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 02:39*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:13	
4,4´-DDE	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:13	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:13	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:13	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:13	
alpha-Chlordane	**8.2**	1.0	1	B5G0623	07/29/2015	07/30/15 10:13	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:13	
Chlordane [2C]	**54**	8.5	1	B5G0623	07/29/2015	07/30/15 10:13	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:13	
Dieldrin	**13**	2.0	1	B5G0623	07/29/2015	07/30/15 10:13	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:13	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:13	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:13	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:13	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:13	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:13	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:13	
gamma-Chlordane	**7.7**	1.0	1	B5G0623	07/29/2015	07/30/15 10:13	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:13	
Heptachlor epoxide	**1.2**	1.0	1	B5G0623	07/29/2015	07/30/15 10:13	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 10:13	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 10:13	
Surrogate: Decachlorobiphenyl	*75.0 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 10:13*	
Surrogate: Tetrachloro-m-xylene	*67.3 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 10:13*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B3 / 5'

Lab ID: 1502586-06

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0623	07/29/2015	07/30/15 10:47	
Aroclor 1221	ND	16	1	B5G0623	07/29/2015	07/30/15 10:47	
Aroclor 1232	ND	16	1	B5G0623	07/29/2015	07/30/15 10:47	
Aroclor 1242	ND	16	1	B5G0623	07/29/2015	07/30/15 10:47	
Aroclor 1248	ND	16	1	B5G0623	07/29/2015	07/30/15 10:47	
Aroclor 1254	ND	16	1	B5G0623	07/29/2015	07/30/15 10:47	
Aroclor 1260	ND	16	1	B5G0623	07/29/2015	07/30/15 10:47	
Aroclor 1262	ND	16	1	B5G0623	07/29/2015	07/30/15 10:47	
Aroclor 1268	ND	16	1	B5G0623	07/29/2015	07/30/15 10:47	
Surrogate: Decachlorobiphenyl	*84.6 %*	*8 - 143*		B5G0623	07/29/2015	*07/30/15 10:47*	
Surrogate: Tetrachloro-m-xylene	*73.2 %*	*27 - 124*		B5G0623	07/29/2015	*07/30/15 10:47*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 12:28	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B3 / 5'

Lab ID: 1502586-06

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 12:28	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 12:28	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 12:28	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B3 / 5'

Lab ID: 1502586-06

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 12:28	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 12:28	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:28	
Surrogate: 1,2-Dichloroethane-d4	*89.7 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 12:28*	
Surrogate: 4-Bromofluorobenzene	*88.3 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 12:28*	
Surrogate: Dibromofluoromethane	*111 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 12:28*	
Surrogate: Toluene-d8	*101 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 12:28*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:17	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:17	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:17	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B3 / 5'

Lab ID: 1502586-06

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 20:17	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:17	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:17	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 20:17	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 20:17	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:17	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:17	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:17	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 20:17	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 20:17	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B3 / 5'

Lab ID: 1502586-06

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 20:17	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:17	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 20:17	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 20:17	
Surrogate: 1,2-Dichlorobenzene-d4	*65.1 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 20:17*	
Surrogate: 2,4,6-Tribromophenol	*72.6 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 20:17*	
Surrogate: 2-Chlorophenol-d4	*76.0 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 20:17*	
Surrogate: 2-Fluorobiphenyl	*66.1 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 20:17*	
Surrogate: 2-Fluorophenol	*73.3 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 20:17*	
Surrogate: 4-Terphenyl-d14	*72.3 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 20:17*	
Surrogate: Nitrobenzene-d5	*79.1 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 20:17*	
Surrogate: Phenol-d5	*74.3 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 20:17*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B3 / 10'
Lab ID: 1502586-07

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 16:32	
Arsenic	**3.7**	1.0	1	B5G0677	07/31/2015	07/31/15 16:32	
Barium	**66**	1.0	1	B5G0677	07/31/2015	07/31/15 16:32	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:31	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:32	
Chromium	**7.8**	1.0	1	B5G0677	07/31/2015	07/31/15 16:32	
Cobalt	**5.2**	1.0	1	B5G0677	07/31/2015	07/31/15 16:32	
Copper	**6.2**	2.0	1	B5G0677	07/31/2015	07/31/15 16:32	
Lead	**8.5**	1.0	1	B5G0677	07/31/2015	07/31/15 16:32	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:32	
Nickel	**4.0**	1.0	1	B5G0677	07/31/2015	07/31/15 16:32	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:32	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:32	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:32	
Vanadium	**30**	1.0	1	B5G0677	07/31/2015	07/31/15 16:32	
Zinc	**20**	1.0	1	B5G0677	07/31/2015	07/31/15 16:32	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:31	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0670	07/23/2015	07/31/15 15:12	
Surrogate: 4-Bromofluorobenzene	*79.4 %*	*37 - 153*		B5G0670	07/23/2015	*07/31/15 15:12*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0648	07/30/2015	08/01/15 00:24	
ORO	ND	10	1	B5G0648	07/30/2015	08/01/15 00:24	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B3 / 10'
Lab ID: 1502586-07

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*137 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 00:24*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:25	
4,4´-DDE	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:25	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:25	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:25	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:25	
alpha-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:25	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:25	
Chlordane	ND	8.5	1	B5G0623	07/29/2015	07/30/15 10:25	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:25	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:25	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:25	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:25	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:25	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:25	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:25	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:25	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:25	
gamma-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:25	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:25	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:25	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 10:25	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 10:25	
Surrogate: Decachlorobiphenyl	*72.9 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 10:25*	
Surrogate: Tetrachloro-m-xylene	*67.9 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 10:25*	

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B3 / 10'
Lab ID: 1502586-07

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0623	07/29/2015	07/30/15 11:43	
Aroclor 1221	ND	16	1	B5G0623	07/29/2015	07/30/15 11:43	
Aroclor 1232	ND	16	1	B5G0623	07/29/2015	07/30/15 11:43	
Aroclor 1242	ND	16	1	B5G0623	07/29/2015	07/30/15 11:43	
Aroclor 1248	ND	16	1	B5G0623	07/29/2015	07/30/15 11:43	
Aroclor 1254	ND	16	1	B5G0623	07/29/2015	07/30/15 11:43	
Aroclor 1260	ND	16	1	B5G0623	07/29/2015	07/30/15 11:43	
Aroclor 1262	ND	16	1	B5G0623	07/29/2015	07/30/15 11:43	
Aroclor 1268	ND	16	1	B5G0623	07/29/2015	07/30/15 11:43	
Surrogate: Decachlorobiphenyl	*88.2 %*	*8 - 143*		B5G0623	07/29/2015	*07/30/15 11:43*	
Surrogate: Tetrachloro-m-xylene	*76.1 %*	*27 - 124*		B5G0623	07/29/2015	*07/30/15 11:43*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 12:46	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B3 / 10'

Lab ID: 1502586-07

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 12:46	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 12:46	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 12:46	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B3 / 10'

Lab ID: 1502586-07

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 12:46	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 12:46	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 12:46	
Surrogate: 1,2-Dichloroethane-d4	*87.8 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 12:46*	
Surrogate: 4-Bromofluorobenzene	*86.5 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 12:46*	
Surrogate: Dibromofluoromethane	*106 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 12:46*	
Surrogate: Toluene-d8	*98.6 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 12:46*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:57	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:57	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:57	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B3 / 10'

Lab ID: 1502586-07

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 17:57	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:57	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:57	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 17:57	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 17:57	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:57	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:57	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:57	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 17:57	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 17:57	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B3 / 10'

Lab ID: 1502586-07

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 17:57	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:57	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:57	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:57	
Surrogate: 1,2-Dichlorobenzene-d4	*62.9 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 17:57*	
Surrogate: 2,4,6-Tribromophenol	*66.8 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 17:57*	
Surrogate: 2-Chlorophenol-d4	*76.4 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 17:57*	
Surrogate: 2-Fluorobiphenyl	*65.8 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 17:57*	
Surrogate: 2-Fluorophenol	*75.0 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 17:57*	
Surrogate: 4-Terphenyl-d14	*75.6 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 17:57*	
Surrogate: Nitrobenzene-d5	*78.9 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 17:57*	
Surrogate: Phenol-d5	*74.7 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 17:57*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B3 / 20'
Lab ID: 1502586-08

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**4.6**	1.0	1	B5G0675	07/31/2015	07/31/15 15:46	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:37	
4,4´-DDE	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:37	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:37	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:37	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:37	
alpha-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:37	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:37	
Chlordane	ND	8.5	1	B5G0623	07/29/2015	07/30/15 10:37	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:37	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:37	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:37	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:37	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:37	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:37	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:37	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:37	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:37	
gamma-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:37	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:37	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:37	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 10:37	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 10:37	
Surrogate: Decachlorobiphenyl	*78.5 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 10:37*	
Surrogate: Tetrachloro-m-xylene	*71.0 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 10:37*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B4 / 10'
Lab ID: 1502586-10

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 16:35	
Arsenic	**1.3**	1.0	1	B5G0677	07/31/2015	07/31/15 16:35	
Barium	**52**	1.0	1	B5G0677	07/31/2015	07/31/15 16:35	
Beryllium	ND	2.0	2	B5G0677	07/31/2015	08/03/15 09:58	D5
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:35	
Chromium	**4.9**	1.0	1	B5G0677	07/31/2015	07/31/15 16:35	
Cobalt	**5.6**	1.0	1	B5G0677	07/31/2015	07/31/15 16:35	
Copper	**7.9**	2.0	1	B5G0677	07/31/2015	07/31/15 16:35	
Lead	**5.6**	1.0	1	B5G0677	07/31/2015	07/31/15 16:35	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:35	
Nickel	**2.9**	1.0	1	B5G0677	07/31/2015	07/31/15 16:35	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:35	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:35	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:35	
Vanadium	**36**	1.0	1	B5G0677	07/31/2015	07/31/15 16:35	
Zinc	**20**	1.0	1	B5G0677	07/31/2015	07/31/15 16:35	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:33	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0670	07/23/2015	07/31/15 15:28	
Surrogate: 4-Bromofluorobenzene	*81.8 %*	*37 - 153*		B5G0670	07/23/2015	*07/31/15 15:28*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0648	07/30/2015	07/31/15 22:57	
ORO	ND	10	1	B5G0648	07/30/2015	07/31/15 22:57	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B4 / 10'
Lab ID: 1502586-10

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*139 %*	*49 - 142*		B5G0648	07/30/2015	*07/31/15 22:57*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:50	
4,4´-DDE	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:50	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:50	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:50	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:50	
alpha-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:50	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:50	
Chlordane	ND	8.5	1	B5G0623	07/29/2015	07/30/15 10:50	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:50	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:50	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:50	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:50	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:50	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:50	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:50	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 10:50	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:50	
gamma-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:50	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:50	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 10:50	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 10:50	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 10:50	
Surrogate: Decachlorobiphenyl	*72.0 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 10:50*	
Surrogate: Tetrachloro-m-xylene	*73.9 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 10:50*	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B4 / 10'
Lab ID: 1502586-10

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0623	07/29/2015	07/30/15 12:02	
Aroclor 1221	ND	16	1	B5G0623	07/29/2015	07/30/15 12:02	
Aroclor 1232	ND	16	1	B5G0623	07/29/2015	07/30/15 12:02	
Aroclor 1242	ND	16	1	B5G0623	07/29/2015	07/30/15 12:02	
Aroclor 1248	ND	16	1	B5G0623	07/29/2015	07/30/15 12:02	
Aroclor 1254	ND	16	1	B5G0623	07/29/2015	07/30/15 12:02	
Aroclor 1260	ND	16	1	B5G0623	07/29/2015	07/30/15 12:02	
Aroclor 1262	ND	16	1	B5G0623	07/29/2015	07/30/15 12:02	
Aroclor 1268	ND	16	1	B5G0623	07/29/2015	07/30/15 12:02	
Surrogate: Decachlorobiphenyl	*82.2 %*	*8 - 143*		B5G0623	07/29/2015	*07/30/15 12:02*	
Surrogate: Tetrachloro-m-xylene	*66.9 %*	*27 - 124*		B5G0623	07/29/2015	*07/30/15 12:02*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 13:05	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B4 / 10'

Lab ID: 1502586-10

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 13:05	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 13:05	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 13:05	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B4 / 10'

Lab ID: 1502586-10

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 13:05	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 13:05	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:05	
Surrogate: 1,2-Dichloroethane-d4	*90.5 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 13:05*	
Surrogate: 4-Bromofluorobenzene	*90.1 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 13:05*	
Surrogate: Dibromofluoromethane	*108 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 13:05*	
Surrogate: Toluene-d8	*98.2 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 13:05*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:04	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:04	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:04	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B4 / 10'

Lab ID: 1502586-10

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 16:04	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:04	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:04	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 16:04	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 16:04	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:04	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:04	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:04	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 16:04	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 16:04	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B4 / 10'
Lab ID: 1502586-10

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 16:04	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:04	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:04	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:04	
Surrogate: 1,2-Dichlorobenzene-d4	*69.6 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 16:04*	
Surrogate: 2,4,6-Tribromophenol	*70.4 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 16:04*	
Surrogate: 2-Chlorophenol-d4	*82.3 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 16:04*	
Surrogate: 2-Fluorobiphenyl	*75.3 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 16:04*	
Surrogate: 2-Fluorophenol	*81.7 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 16:04*	
Surrogate: 4-Terphenyl-d14	*83.9 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 16:04*	
Surrogate: Nitrobenzene-d5	*84.6 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 16:04*	
Surrogate: Phenol-d5	*80.7 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 16:04*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B4 / 15'
Lab ID: 1502586-11

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**1.3**	1.0	1	B5G0675	07/31/2015	07/31/15 16:29	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:02	
4,4´-DDE	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:02	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:02	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:02	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:02	
alpha-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:02	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:02	
Chlordane	ND	8.5	1	B5G0623	07/29/2015	07/30/15 11:02	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:02	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:02	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:02	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:02	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:02	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:02	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:02	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:02	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:02	
gamma-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:02	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:02	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:02	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 11:02	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 11:02	
Surrogate: Decachlorobiphenyl	*77.0 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 11:02*	
Surrogate: Tetrachloro-m-xylene	*79.2 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 11:02*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B5 / 5'
Lab ID: 1502586-13

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 16:39	
Arsenic	**2.0**	1.0	1	B5G0677	07/31/2015	07/31/15 16:39	
Barium	**98**	1.0	1	B5G0677	07/31/2015	07/31/15 16:39	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:38	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:39	
Chromium	**9.7**	1.0	1	B5G0677	07/31/2015	07/31/15 16:39	
Cobalt	**2.5**	1.0	1	B5G0677	07/31/2015	07/31/15 16:39	
Copper	**4.4**	2.0	1	B5G0677	07/31/2015	07/31/15 16:39	
Lead	**4.0**	1.0	1	B5G0677	07/31/2015	07/31/15 16:39	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:39	
Nickel	**2.6**	1.0	1	B5G0677	07/31/2015	07/31/15 16:39	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:39	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:39	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:39	
Vanadium	**29**	1.0	1	B5G0677	07/31/2015	07/31/15 16:39	
Zinc	**18**	1.0	1	B5G0677	07/31/2015	07/31/15 16:39	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:35	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0670	07/24/2015	07/31/15 15:44	
Surrogate: 4-Bromofluorobenzene	*88.9 %*	*37 - 153*		B5G0670	07/24/2015	*07/31/15 15:44*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**36**	10	1	B5G0648	07/30/2015	08/01/15 02:22	
ORO	**62**	10	1	B5G0648	07/30/2015	08/01/15 02:22	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B5 / 5'
Lab ID: 1502586-13

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*98.6 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 02:22*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:14	
4,4´-DDE	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:14	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:14	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:14	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:14	
alpha-Chlordane	**4.2**	1.0	1	B5G0623	07/29/2015	07/30/15 11:14	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:14	
Chlordane	**21**	8.5	1	B5G0623	07/29/2015	07/30/15 11:14	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:14	
Dieldrin	**2.2**	2.0	1	B5G0623	07/29/2015	07/30/15 11:14	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:14	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:14	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:14	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:14	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:14	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:14	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:14	
gamma-Chlordane	**4.3**	1.0	1	B5G0623	07/29/2015	07/30/15 11:14	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:14	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:14	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 11:14	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 11:14	
Surrogate: Decachlorobiphenyl	*67.5 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 11:14*	
Surrogate: Tetrachloro-m-xylene	*65.1 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 11:14*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
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Client Sample ID B5 / 5'
Lab ID: 1502586-13

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0623	07/29/2015	07/30/15 12:21	
Aroclor 1221	ND	16	1	B5G0623	07/29/2015	07/30/15 12:21	
Aroclor 1232	ND	16	1	B5G0623	07/29/2015	07/30/15 12:21	
Aroclor 1242	ND	16	1	B5G0623	07/29/2015	07/30/15 12:21	
Aroclor 1248	ND	16	1	B5G0623	07/29/2015	07/30/15 12:21	
Aroclor 1254	ND	16	1	B5G0623	07/29/2015	07/30/15 12:21	
Aroclor 1260	ND	16	1	B5G0623	07/29/2015	07/30/15 12:21	
Aroclor 1262	ND	16	1	B5G0623	07/29/2015	07/30/15 12:21	
Aroclor 1268	ND	16	1	B5G0623	07/29/2015	07/30/15 12:21	
Surrogate: Decachlorobiphenyl	*76.4 %*	*8 - 143*		B5G0623	07/29/2015	*07/30/15 12:21*	
Surrogate: Tetrachloro-m-xylene	*69.9 %*	*27 - 124*		B5G0623	07/29/2015	*07/30/15 12:21*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 13:23	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 5'

Lab ID: 1502586-13

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 13:23	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 13:23	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 13:23	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 5'

Lab ID: 1502586-13

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 13:23	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 13:23	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:23	
Surrogate: 1,2-Dichloroethane-d4	*98.4 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 13:23*	
Surrogate: 4-Bromofluorobenzene	*89.9 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 13:23*	
Surrogate: Dibromofluoromethane	*117 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 13:23*	
Surrogate: Toluene-d8	*98.9 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 13:23*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:59	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:59	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:59	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 5'

Lab ID: 1502586-13

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 23:59	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:59	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:59	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 23:59	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 23:59	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:59	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:59	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:59	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 23:59	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 23:59	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 5'

Lab ID: 1502586-13

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 23:59	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:59	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 23:59	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 23:59	
Surrogate: 1,2-Dichlorobenzene-d4	*65.3 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 23:59*	
Surrogate: 2,4,6-Tribromophenol	*76.1 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 23:59*	
Surrogate: 2-Chlorophenol-d4	*75.6 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 23:59*	
Surrogate: 2-Fluorobiphenyl	*76.1 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 23:59*	
Surrogate: 2-Fluorophenol	*72.9 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 23:59*	
Surrogate: 4-Terphenyl-d14	*81.5 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 23:59*	
Surrogate: Nitrobenzene-d5	*76.6 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 23:59*	
Surrogate: Phenol-d5	*74.6 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 23:59*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B5 / 10'
Lab ID: 1502586-14

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 16:42	
Arsenic	**6.1**	1.0	1	B5G0677	07/31/2015	07/31/15 16:42	
Barium	**150**	1.0	1	B5G0677	07/31/2015	07/31/15 16:42	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:41	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:42	
Chromium	**5.5**	1.0	1	B5G0677	07/31/2015	07/31/15 16:42	
Cobalt	**3.1**	1.0	1	B5G0677	07/31/2015	07/31/15 16:42	
Copper	**8.2**	2.0	1	B5G0677	07/31/2015	07/31/15 16:42	
Lead	**20**	1.0	1	B5G0677	07/31/2015	07/31/15 16:42	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:42	
Nickel	**3.7**	1.0	1	B5G0677	07/31/2015	07/31/15 16:42	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:42	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:42	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:42	
Vanadium	**20**	1.0	1	B5G0677	07/31/2015	07/31/15 16:42	
Zinc	**42**	1.0	1	B5G0677	07/31/2015	07/31/15 16:42	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:37	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0670	07/24/2015	07/31/15 16:00	
Surrogate: 4-Bromofluorobenzene	*84.7 %*	*37 - 153*		B5G0670	07/24/2015	*07/31/15 16:00*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**350**	20	2	B5G0648	07/30/2015	08/01/15 04:22	
ORO	**1200**	20	2	B5G0648	07/30/2015	08/01/15 04:22	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 10'
Lab ID: 1502586-14

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*121 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 04:22*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:05	
4,4´-DDE	**3.0**	2.0	1	B5G0623	07/29/2015	07/30/15 13:05	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:05	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:05	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:05	
alpha-Chlordane [2C]	**1.4**	1.0	1	B5G0623	07/29/2015	07/30/15 13:05	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:05	
Chlordane	**15**	8.5	1	B5G0623	07/29/2015	07/30/15 13:05	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:05	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:05	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:05	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:05	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:05	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:05	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:05	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:05	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:05	
gamma-Chlordane	**1.5**	1.0	1	B5G0623	07/29/2015	07/30/15 13:05	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:05	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:05	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 13:05	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 13:05	
Surrogate: Decachlorobiphenyl	*114 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 13:05*	
Surrogate: Tetrachloro-m-xylene	*78.0 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 13:05*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B5 / 10'

Lab ID: 1502586-14

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0623	07/29/2015	07/30/15 12:40	
Aroclor 1221	ND	16	1	B5G0623	07/29/2015	07/30/15 12:40	
Aroclor 1232	ND	16	1	B5G0623	07/29/2015	07/30/15 12:40	
Aroclor 1242	ND	16	1	B5G0623	07/29/2015	07/30/15 12:40	
Aroclor 1248	ND	16	1	B5G0623	07/29/2015	07/30/15 12:40	
Aroclor 1254	ND	16	1	B5G0623	07/29/2015	07/30/15 12:40	
Aroclor 1260	ND	16	1	B5G0623	07/29/2015	07/30/15 12:40	
Aroclor 1262	ND	16	1	B5G0623	07/29/2015	07/30/15 12:40	
Aroclor 1268	ND	16	1	B5G0623	07/29/2015	07/30/15 12:40	
Surrogate: Decachlorobiphenyl	*85.6 %*	*8 - 143*		B5G0623	07/29/2015	*07/30/15 12:40*	
Surrogate: Tetrachloro-m-xylene	*86.7 %*	*27 - 124*		B5G0623	07/29/2015	*07/30/15 12:40*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 13:42	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 10'

Lab ID: 1502586-14

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 13:42	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 13:42	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 13:42	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B5 / 10'

Lab ID: 1502586-14

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 13:42	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 13:42	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 13:42	
Surrogate: 1,2-Dichloroethane-d4	*98.2 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 13:42*	
Surrogate: 4-Bromofluorobenzene	*88.1 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 13:42*	
Surrogate: Dibromofluoromethane	*116 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 13:42*	
Surrogate: Toluene-d8	*99.4 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 13:42*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
1,2-Dichlorobenzene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
1,3-Dichlorobenzene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
1,4-Dichlorobenzene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
2,4,5-Trichlorophenol	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
2,4,6-Trichlorophenol	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
2,4-Dichlorophenol	ND	16000	10	B5G0606	07/29/2015	07/30/15 14:47	D1
2,4-Dimethylphenol	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
2,4-Dinitrophenol	ND	16000	10	B5G0606	07/29/2015	07/30/15 14:47	D1
2,4-Dinitrotoluene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
2,6-Dinitrotoluene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
2-Chloronaphthalene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
2-Chlorophenol	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
2-Methylnaphthalene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
2-Methylphenol	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
2-Nitroaniline	ND	16000	10	B5G0606	07/29/2015	07/30/15 14:47	D1
2-Nitrophenol	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 10'

Lab ID: 1502586-14

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	6600	10	B5G0606	07/29/2015	07/30/15 14:47	D1
3-Nitroaniline	ND	16000	10	B5G0606	07/29/2015	07/30/15 14:47	D1
4,6-Dinitro-2-methyphenol	ND	16000	10	B5G0606	07/29/2015	07/30/15 14:47	D1
4-Bromophenyl-phenylether	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
4-Chloro-3-methylphenol	ND	6600	10	B5G0606	07/29/2015	07/30/15 14:47	D1
4-Chloroaniline	ND	6600	10	B5G0606	07/29/2015	07/30/15 14:47	D1
4-Chlorophenyl-phenylether	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
4-Methylphenol	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
4-Nitroaniline	ND	16000	10	B5G0606	07/29/2015	07/30/15 14:47	D1
4-Nitrophenol	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Acenaphthene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Acenaphthylene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Anthracene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Benzidine (M)	ND	16000	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Benzo(a)anthracene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Benzo(a)pyrene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Benzo(b)fluoranthene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Benzo(g,h,i)perylene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Benzo(k)fluoranthene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Benzoic acid	ND	16000	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Benzyl alcohol	ND	6600	10	B5G0606	07/29/2015	07/30/15 14:47	D1
bis(2-chloroethoxy)methane	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
bis(2-Chloroethyl)ether	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
bis(2-chloroisopropyl)ether	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
bis(2-ethylhexyl)phthalate	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Butylbenzylphthalate	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Chrysene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Di-n-butylphthalate	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Di-n-octylphthalate	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Dibenz(a,h)anthracene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Dibenzofuran	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Diethyl phthalate	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Dimethyl phthalate	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Fluoranthene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Fluorene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Hexachlorobenzene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Hexachlorobutadiene	ND	6600	10	B5G0606	07/29/2015	07/30/15 14:47	D1

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 10'
Lab ID: 1502586-14

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	6600	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Hexachloroethane	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Indeno(1,2,3-cd)pyrene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Isophorone	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
N-Nitroso-di-n propylamine	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
N-Nitrosodiphenylamine	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Naphthalene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Nitrobenzene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Pentachlorophenol	ND	16000	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Phenanthrene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Phenol	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Pyrene	ND	3300	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Pyridine	ND	16000	10	B5G0606	07/29/2015	07/30/15 14:47	D1
Surrogate: 1,2-Dichlorobenzene-d4	*58.1 %*	*24 - 114*		B5G0606	07/29/2015	*07/30/15 14:47*	
Surrogate: 2,4,6-Tribromophenol	*29.3 %*	*0 - 189*		B5G0606	07/29/2015	*07/30/15 14:47*	
Surrogate: 2-Chlorophenol-d4	*58.5 %*	*23 - 123*		B5G0606	07/29/2015	*07/30/15 14:47*	
Surrogate: 2-Fluorobiphenyl	*64.0 %*	*28 - 128*		B5G0606	07/29/2015	*07/30/15 14:47*	
Surrogate: 2-Fluorophenol	*58.0 %*	*8 - 138*		B5G0606	07/29/2015	*07/30/15 14:47*	
Surrogate: 4-Terphenyl-d14	*61.8 %*	*27 - 154*		B5G0606	07/29/2015	*07/30/15 14:47*	
Surrogate: Nitrobenzene-d5	*65.8 %*	*19 - 129*		B5G0606	07/29/2015	*07/30/15 14:47*	
Surrogate: Phenol-d5	*55.8 %*	*20 - 126*		B5G0606	07/29/2015	*07/30/15 14:47*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B5 / 15'
Lab ID: 1502586-15

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 16:45	
Arsenic	**2.8**	1.0	1	B5G0677	07/31/2015	07/31/15 16:45	
Barium	**94**	1.0	1	B5G0677	07/31/2015	07/31/15 16:45	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:44	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:45	
Chromium	**7.6**	1.0	1	B5G0677	07/31/2015	07/31/15 16:45	
Cobalt	**4.0**	1.0	1	B5G0677	07/31/2015	07/31/15 16:45	
Copper	**6.7**	2.0	1	B5G0677	07/31/2015	07/31/15 16:45	
Lead	**11**	1.0	1	B5G0677	07/31/2015	07/31/15 16:45	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:45	
Nickel	**4.4**	1.0	1	B5G0677	07/31/2015	07/31/15 16:45	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:45	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:45	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:45	
Vanadium	**23**	1.0	1	B5G0677	07/31/2015	07/31/15 16:45	
Zinc	**20**	1.0	1	B5G0677	07/31/2015	07/31/15 16:45	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:39	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0670	07/24/2015	07/31/15 16:16	
Surrogate: 4-Bromofluorobenzene	*84.0 %*	*37 - 153*		B5G0670	07/24/2015	*07/31/15 16:16*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**44**	10	1	B5G0648	07/30/2015	08/01/15 03:48	
ORO	**95**	10	1	B5G0648	07/30/2015	08/01/15 03:48	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B5 / 15'
Lab ID: 1502586-15

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*135 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 03:48*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:17	
4,4´-DDE	**18**	2.0	1	B5G0623	07/29/2015	07/30/15 13:17	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:17	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:17	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:17	
alpha-Chlordane [2C]	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:17	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:17	
Chlordane [2C]	ND	8.5	1	B5G0623	07/29/2015	07/30/15 13:17	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:17	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:17	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:17	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:17	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:17	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:17	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:17	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 13:17	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:17	
gamma-Chlordane [2C]	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:17	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:17	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 13:17	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 13:17	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 13:17	
Surrogate: Decachlorobiphenyl	*95.8 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 13:17*	
Surrogate: Tetrachloro-m-xylene	*70.8 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 13:17*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B5 / 15'

Lab ID: 1502586-15

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0623	07/29/2015	07/30/15 12:59	
Aroclor 1221	ND	16	1	B5G0623	07/29/2015	07/30/15 12:59	
Aroclor 1232	ND	16	1	B5G0623	07/29/2015	07/30/15 12:59	
Aroclor 1242	ND	16	1	B5G0623	07/29/2015	07/30/15 12:59	
Aroclor 1248	ND	16	1	B5G0623	07/29/2015	07/30/15 12:59	
Aroclor 1254	ND	16	1	B5G0623	07/29/2015	07/30/15 12:59	
Aroclor 1260	ND	16	1	B5G0623	07/29/2015	07/30/15 12:59	
Aroclor 1262	ND	16	1	B5G0623	07/29/2015	07/30/15 12:59	
Aroclor 1268	ND	16	1	B5G0623	07/29/2015	07/30/15 12:59	
Surrogate: Decachlorobiphenyl	*74.5 %*	*8 - 143*		B5G0623	07/29/2015	*07/30/15 12:59*	
Surrogate: Tetrachloro-m-xylene	*71.3 %*	*27 - 124*		B5G0623	07/29/2015	*07/30/15 12:59*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 14:00	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 15'

Lab ID: 1502586-15

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 14:00	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 14:00	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 14:00	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B5 / 15'

Lab ID: 1502586-15

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 14:00	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 14:00	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:00	
Surrogate: 1,2-Dichloroethane-d4	*96.4 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 14:00*	
Surrogate: 4-Bromofluorobenzene	*85.1 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 14:00*	
Surrogate: Dibromofluoromethane	*112 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 14:00*	
Surrogate: Toluene-d8	*97.5 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 14:00*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
1,2-Dichlorobenzene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
1,3-Dichlorobenzene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
1,4-Dichlorobenzene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
2,4,5-Trichlorophenol	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
2,4,6-Trichlorophenol	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
2,4-Dichlorophenol	ND	8200	5	B5G0606	07/29/2015	07/30/15 14:19	D1
2,4-Dimethylphenol	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
2,4-Dinitrophenol	ND	8200	5	B5G0606	07/29/2015	07/30/15 14:19	D1
2,4-Dinitrotoluene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
2,6-Dinitrotoluene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
2-Chloronaphthalene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
2-Chlorophenol	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
2-Methylnaphthalene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
2-Methylphenol	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
2-Nitroaniline	ND	8200	5	B5G0606	07/29/2015	07/30/15 14:19	D1
2-Nitrophenol	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 15'

Lab ID: 1502586-15

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	3300	5	B5G0606	07/29/2015	07/30/15 14:19	D1
3-Nitroaniline	ND	8200	5	B5G0606	07/29/2015	07/30/15 14:19	D1
4,6-Dinitro-2-methyphenol	ND	8200	5	B5G0606	07/29/2015	07/30/15 14:19	D1
4-Bromophenyl-phenylether	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
4-Chloro-3-methylphenol	ND	3300	5	B5G0606	07/29/2015	07/30/15 14:19	D1
4-Chloroaniline	ND	3300	5	B5G0606	07/29/2015	07/30/15 14:19	D1
4-Chlorophenyl-phenylether	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
4-Methylphenol	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
4-Nitroaniline	ND	8200	5	B5G0606	07/29/2015	07/30/15 14:19	D1
4-Nitrophenol	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Acenaphthene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Acenaphthylene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Anthracene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Benzidine (M)	ND	8200	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Benzo(a)anthracene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Benzo(a)pyrene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Benzo(b)fluoranthene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Benzo(g,h,i)perylene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Benzo(k)fluoranthene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Benzoic acid	ND	8200	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Benzyl alcohol	ND	3300	5	B5G0606	07/29/2015	07/30/15 14:19	D1
bis(2-chloroethoxy)methane	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
bis(2-Chloroethyl)ether	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
bis(2-chloroisopropyl)ether	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
bis(2-ethylhexyl)phthalate	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Butylbenzylphthalate	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Chrysene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Di-n-butylphthalate	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Di-n-octylphthalate	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Dibenz(a,h)anthracene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Dibenzofuran	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Diethyl phthalate	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Dimethyl phthalate	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Fluoranthene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Fluorene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Hexachlorobenzene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Hexachlorobutadiene	ND	3300	5	B5G0606	07/29/2015	07/30/15 14:19	D1

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 15'
Lab ID: 1502586-15

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	3300	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Hexachloroethane	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Indeno(1,2,3-cd)pyrene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Isophorone	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
N-Nitroso-di-n propylamine	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
N-Nitrosodiphenylamine	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Naphthalene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Nitrobenzene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Pentachlorophenol	ND	8200	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Phenanthrene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Phenol	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Pyrene	ND	1600	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Pyridine	ND	8200	5	B5G0606	07/29/2015	07/30/15 14:19	D1
Surrogate: 1,2-Dichlorobenzene-d4	*67.2 %*	*24 - 114*		B5G0606	07/29/2015	*07/30/15 14:19*	
Surrogate: 2,4,6-Tribromophenol	*44.5 %*	*0 - 189*		B5G0606	07/29/2015	*07/30/15 14:19*	
Surrogate: 2-Chlorophenol-d4	*72.0 %*	*23 - 123*		B5G0606	07/29/2015	*07/30/15 14:19*	
Surrogate: 2-Fluorobiphenyl	*70.9 %*	*28 - 128*		B5G0606	07/29/2015	*07/30/15 14:19*	
Surrogate: 2-Fluorophenol	*71.4 %*	*8 - 138*		B5G0606	07/29/2015	*07/30/15 14:19*	
Surrogate: 4-Terphenyl-d14	*70.4 %*	*27 - 154*		B5G0606	07/29/2015	*07/30/15 14:19*	
Surrogate: Nitrobenzene-d5	*77.6 %*	*19 - 129*		B5G0606	07/29/2015	*07/30/15 14:19*	
Surrogate: Phenol-d5	*68.8 %*	*20 - 126*		B5G0606	07/29/2015	*07/30/15 14:19*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B5 / 19'
Lab ID: 1502586-16

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 16:48	
Arsenic	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:48	
Barium	**57**	1.0	1	B5G0677	07/31/2015	07/31/15 16:48	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:47	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:48	
Chromium	**10**	1.0	1	B5G0677	07/31/2015	07/31/15 16:48	
Cobalt	**7.9**	1.0	1	B5G0677	07/31/2015	07/31/15 16:48	
Copper	**33**	2.0	1	B5G0677	07/31/2015	07/31/15 16:48	
Lead	**2.1**	1.0	1	B5G0677	07/31/2015	07/31/15 16:48	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:48	
Nickel	**5.6**	1.0	1	B5G0677	07/31/2015	07/31/15 16:48	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:48	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:48	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:48	
Vanadium	**53**	1.0	1	B5G0677	07/31/2015	07/31/15 16:48	
Zinc	**34**	1.0	1	B5G0677	07/31/2015	07/31/15 16:48	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:41	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0670	07/24/2015	07/31/15 16:32	
Surrogate: 4-Bromofluorobenzene	*87.2 %*	*37 - 153*		B5G0670	07/24/2015	*07/31/15 16:32*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0648	07/30/2015	07/31/15 23:15	
ORO	ND	10	1	B5G0648	07/30/2015	07/31/15 23:15	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 19'
Lab ID: 1502586-16

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*130 %*	*49 - 142*		B5G0648	07/30/2015	*07/31/15 23:15*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:26	
4,4´-DDE	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:26	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:26	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:26	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:26	
alpha-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:26	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:26	
Chlordane	ND	8.5	1	B5G0623	07/29/2015	07/30/15 11:26	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:26	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:26	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:26	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:26	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:26	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:26	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:26	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:26	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:26	
gamma-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:26	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:26	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:26	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 11:26	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 11:26	
Surrogate: Decachlorobiphenyl	*79.2 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 11:26*	
Surrogate: Tetrachloro-m-xylene	*74.0 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 11:26*	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 19'
Lab ID: 1502586-16

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0623	07/29/2015	07/30/15 13:18	
Aroclor 1221	ND	16	1	B5G0623	07/29/2015	07/30/15 13:18	
Aroclor 1232	ND	16	1	B5G0623	07/29/2015	07/30/15 13:18	
Aroclor 1242	ND	16	1	B5G0623	07/29/2015	07/30/15 13:18	
Aroclor 1248	ND	16	1	B5G0623	07/29/2015	07/30/15 13:18	
Aroclor 1254	ND	16	1	B5G0623	07/29/2015	07/30/15 13:18	
Aroclor 1260	ND	16	1	B5G0623	07/29/2015	07/30/15 13:18	
Aroclor 1262	ND	16	1	B5G0623	07/29/2015	07/30/15 13:18	
Aroclor 1268	ND	16	1	B5G0623	07/29/2015	07/30/15 13:18	
Surrogate: Decachlorobiphenyl	*81.3 %*	*8 - 143*		B5G0623	07/29/2015	*07/30/15 13:18*	
Surrogate: Tetrachloro-m-xylene	*74.2 %*	*27 - 124*		B5G0623	07/29/2015	*07/30/15 13:18*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 14:19	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 19'

Lab ID: 1502586-16

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 14:19	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 14:19	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 14:19	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B5 / 19'

Lab ID: 1502586-16

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 14:19	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 14:19	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:19	
Surrogate: 1,2-Dichloroethane-d4	*88.6 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 14:19*	
Surrogate: 4-Bromofluorobenzene	*86.8 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 14:19*	
Surrogate: Dibromofluoromethane	*108 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 14:19*	
Surrogate: Toluene-d8	*96.3 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 14:19*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:29	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:29	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:29	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 19'

Lab ID: 1502586-16

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 17:29	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:29	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:29	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 17:29	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 17:29	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:29	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:29	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:29	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 17:29	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 17:29	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B5 / 19'
Lab ID: 1502586-16

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 17:29	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:29	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:29	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:29	
Surrogate: 1,2-Dichlorobenzene-d4	*76.9 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 17:29*	
Surrogate: 2,4,6-Tribromophenol	*72.3 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 17:29*	
Surrogate: 2-Chlorophenol-d4	*82.9 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 17:29*	
Surrogate: 2-Fluorobiphenyl	*81.6 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 17:29*	
Surrogate: 2-Fluorophenol	*82.3 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 17:29*	
Surrogate: 4-Terphenyl-d14	*88.0 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 17:29*	
Surrogate: Nitrobenzene-d5	*86.3 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 17:29*	
Surrogate: Phenol-d5	*80.6 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 17:29*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B5 / 25'

Lab ID: 1502586-17

Total Metals by ICP-AES EPA 6010B — **Analyst: RR**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**2.5**	1.0	1	B5G0675	07/31/2015	07/31/15 16:31	

Organochlorine Pesticides by EPA 8081 — **Analyst: CL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:39	
4,4´-DDE	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:39	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:39	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:39	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:39	
alpha-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:39	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:39	
Chlordane	ND	8.5	1	B5G0623	07/29/2015	07/30/15 11:39	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:39	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:39	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:39	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:39	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:39	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:39	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:39	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:39	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:39	
gamma-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:39	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:39	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:39	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 11:39	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 11:39	
Surrogate: Decachlorobiphenyl	*80.5 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 11:39*	
Surrogate: Tetrachloro-m-xylene	*77.0 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 11:39*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B7 / 5'
Lab ID: 1502586-18

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 16:51	
Arsenic	**1.5**	1.0	1	B5G0677	07/31/2015	07/31/15 16:51	
Barium	**160**	1.0	1	B5G0677	07/31/2015	07/31/15 16:51	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:50	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:51	
Chromium	**7.1**	1.0	1	B5G0677	07/31/2015	07/31/15 16:51	
Cobalt	**2.7**	1.0	1	B5G0677	07/31/2015	07/31/15 16:51	
Copper	**6.5**	2.0	1	B5G0677	07/31/2015	07/31/15 16:51	
Lead	**37**	1.0	1	B5G0677	07/31/2015	07/31/15 16:51	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:51	
Nickel	**2.8**	1.0	1	B5G0677	07/31/2015	07/31/15 16:51	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:51	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:51	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:51	
Vanadium	**17**	1.0	1	B5G0677	07/31/2015	07/31/15 16:51	
Zinc	**34**	1.0	1	B5G0677	07/31/2015	07/31/15 16:51	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:43	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0691	07/24/2015	07/31/15 18:39	
Surrogate: 4-Bromofluorobenzene	*82.1 %*	*37 - 153*		B5G0691	07/24/2015	*07/31/15 18:39*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0648	07/30/2015	08/01/15 00:41	
ORO	ND	10	1	B5G0648	07/30/2015	08/01/15 00:41	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 5'
Lab ID: 1502586-18

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*130 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 00:41*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:51	
4,4´-DDE	**16**	2.0	1	B5G0623	07/29/2015	07/30/15 11:51	
4,4´-DDT [2C]	**2.9**	2.0	1	B5G0623	07/29/2015	07/30/15 11:51	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:51	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:51	
alpha-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:51	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:51	
Chlordane [2C]	ND	8.5	1	B5G0623	07/29/2015	07/30/15 11:51	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:51	
Dieldrin [2C]	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:51	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:51	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:51	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:51	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:51	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:51	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 11:51	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:51	
gamma-Chlordane [2C]	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:51	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:51	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 11:51	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 11:51	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 11:51	
Surrogate: Decachlorobiphenyl	*74.2 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 11:51*	
Surrogate: Tetrachloro-m-xylene	*69.1 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 11:51*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B7 / 5'

Lab ID: 1502586-18

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0623	07/29/2015	07/30/15 13:37	
Aroclor 1221	ND	16	1	B5G0623	07/29/2015	07/30/15 13:37	
Aroclor 1232	ND	16	1	B5G0623	07/29/2015	07/30/15 13:37	
Aroclor 1242	ND	16	1	B5G0623	07/29/2015	07/30/15 13:37	
Aroclor 1248	ND	16	1	B5G0623	07/29/2015	07/30/15 13:37	
Aroclor 1254	ND	16	1	B5G0623	07/29/2015	07/30/15 13:37	
Aroclor 1260	ND	16	1	B5G0623	07/29/2015	07/30/15 13:37	
Aroclor 1262	ND	16	1	B5G0623	07/29/2015	07/30/15 13:37	
Aroclor 1268	ND	16	1	B5G0623	07/29/2015	07/30/15 13:37	
Surrogate: Decachlorobiphenyl	*80.8 %*	*8 - 143*		B5G0623	07/29/2015	*07/30/15 13:37*	
Surrogate: Tetrachloro-m-xylene	*76.7 %*	*27 - 124*		B5G0623	07/29/2015	*07/30/15 13:37*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 14:38	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 5'

Lab ID: 1502586-18

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 14:38	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 14:38	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 14:38	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B7 / 5'

Lab ID: 1502586-18

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 14:38	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 14:38	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:38	
Surrogate: 1,2-Dichloroethane-d4	*94.4 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 14:38*	
Surrogate: 4-Bromofluorobenzene	*88.8 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 14:38*	
Surrogate: Dibromofluoromethane	*111 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 14:38*	
Surrogate: Toluene-d8	*98.1 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 14:38*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:36	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:36	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:36	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 5'

Lab ID: 1502586-18

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 22:36	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:36	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:36	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 22:36	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 22:36	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:36	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:36	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:36	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 22:36	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 22:36	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 5'

Lab ID: 1502586-18

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 22:36	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:36	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:36	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:36	
Surrogate: 1,2-Dichlorobenzene-d4	*73.5 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 22:36*	
Surrogate: 2,4,6-Tribromophenol	*79.4 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 22:36*	
Surrogate: 2-Chlorophenol-d4	*82.0 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 22:36*	
Surrogate: 2-Fluorobiphenyl	*79.7 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 22:36*	
Surrogate: 2-Fluorophenol	*79.5 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 22:36*	
Surrogate: 4-Terphenyl-d14	*82.2 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 22:36*	
Surrogate: Nitrobenzene-d5	*85.7 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 22:36*	
Surrogate: Phenol-d5	*79.7 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 22:36*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B7 / 10'
Lab ID: 1502586-19

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 16:55	
Arsenic	**3.1**	1.0	1	B5G0677	07/31/2015	07/31/15 16:55	
Barium	**88**	1.0	1	B5G0677	07/31/2015	07/31/15 16:54	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:54	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:55	
Chromium	**7.0**	1.0	1	B5G0677	07/31/2015	07/31/15 16:54	
Cobalt	**2.9**	1.0	1	B5G0677	07/31/2015	07/31/15 16:55	
Copper	**5.3**	2.0	1	B5G0677	07/31/2015	07/31/15 16:54	
Lead	**4.8**	1.0	1	B5G0677	07/31/2015	07/31/15 16:55	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:55	
Nickel	**3.1**	1.0	1	B5G0677	07/31/2015	07/31/15 16:55	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:55	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:54	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:55	
Vanadium	**22**	1.0	1	B5G0677	07/31/2015	07/31/15 16:54	
Zinc	**23**	1.0	1	B5G0677	07/31/2015	07/31/15 16:54	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:45	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0691	07/24/2015	07/31/15 18:55	
Surrogate: 4-Bromofluorobenzene	*83.8 %*	*37 - 153*		B5G0691	07/24/2015	*07/31/15 18:55*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0648	07/30/2015	08/01/15 00:06	
ORO	ND	10	1	B5G0648	07/30/2015	08/01/15 00:06	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 10'
Lab ID: 1502586-19

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*121 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 00:06*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:03	
4,4´-DDE	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:03	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:03	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:03	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:03	
alpha-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:03	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:03	
Chlordane	ND	8.5	1	B5G0623	07/29/2015	07/30/15 12:03	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:03	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:03	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:03	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:03	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:03	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:03	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:03	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:03	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:03	
gamma-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:03	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:03	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:03	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 12:03	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 12:03	
Surrogate: Decachlorobiphenyl	*72.2 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 12:03*	
Surrogate: Tetrachloro-m-xylene	*67.7 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 12:03*	

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B7 / 10'

Lab ID: 1502586-19

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0623	07/29/2015	07/30/15 13:55	
Aroclor 1221	ND	16	1	B5G0623	07/29/2015	07/30/15 13:55	
Aroclor 1232	ND	16	1	B5G0623	07/29/2015	07/30/15 13:55	
Aroclor 1242	ND	16	1	B5G0623	07/29/2015	07/30/15 13:55	
Aroclor 1248	ND	16	1	B5G0623	07/29/2015	07/30/15 13:55	
Aroclor 1254	ND	16	1	B5G0623	07/29/2015	07/30/15 13:55	
Aroclor 1260	ND	16	1	B5G0623	07/29/2015	07/30/15 13:55	
Aroclor 1262	ND	16	1	B5G0623	07/29/2015	07/30/15 13:55	
Aroclor 1268	ND	16	1	B5G0623	07/29/2015	07/30/15 13:55	
Surrogate: Decachlorobiphenyl	*78.8 %*	*8 - 143*		B5G0623	07/29/2015	*07/30/15 13:55*	
Surrogate: Tetrachloro-m-xylene	*74.4 %*	*27 - 124*		B5G0623	07/29/2015	*07/30/15 13:55*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 14:56	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 10'

Lab ID: 1502586-19

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 14:56	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 14:56	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 14:56	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 10'

Lab ID: 1502586-19

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 14:56	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 14:56	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 14:56	
Surrogate: 1,2-Dichloroethane-d4	*91.0 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 14:56*	
Surrogate: 4-Bromofluorobenzene	*87.5 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 14:56*	
Surrogate: Dibromofluoromethane	*108 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 14:56*	
Surrogate: Toluene-d8	*95.8 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 14:56*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:13	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:13	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:13	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 10'

Lab ID: 1502586-19

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 21:13	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:13	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:13	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 21:13	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 21:13	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:13	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:13	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:13	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 21:13	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 21:13	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 10'

Lab ID: 1502586-19

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 21:13	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:13	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:13	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:13	
Surrogate: 1,2-Dichlorobenzene-d4	*72.9 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 21:13*	
Surrogate: 2,4,6-Tribromophenol	*76.9 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 21:13*	
Surrogate: 2-Chlorophenol-d4	*80.3 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 21:13*	
Surrogate: 2-Fluorobiphenyl	*77.7 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 21:13*	
Surrogate: 2-Fluorophenol	*79.4 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 21:13*	
Surrogate: 4-Terphenyl-d14	*80.8 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 21:13*	
Surrogate: Nitrobenzene-d5	*85.0 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 21:13*	
Surrogate: Phenol-d5	*79.1 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 21:13*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B7 / 15'
Lab ID: 1502586-20

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 16:58	
Arsenic	**2.7**	1.0	1	B5G0677	07/31/2015	07/31/15 16:58	
Barium	**100**	1.0	1	B5G0677	07/31/2015	07/31/15 16:58	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:57	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:58	
Chromium	**12**	1.0	1	B5G0677	07/31/2015	07/31/15 16:58	
Cobalt	**4.1**	1.0	1	B5G0677	07/31/2015	07/31/15 16:58	
Copper	**6.2**	2.0	1	B5G0677	07/31/2015	07/31/15 16:58	
Lead	**9.3**	1.0	1	B5G0677	07/31/2015	07/31/15 16:58	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:58	
Nickel	**3.7**	1.0	1	B5G0677	07/31/2015	07/31/15 16:58	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:58	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:58	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 16:58	
Vanadium	**35**	1.0	1	B5G0677	07/31/2015	07/31/15 16:58	
Zinc	**25**	1.0	1	B5G0677	07/31/2015	07/31/15 16:58	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:47	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0691	07/24/2015	07/31/15 19:11	
Surrogate: 4-Bromofluorobenzene	*85.4 %*	*37 - 153*		B5G0691	07/24/2015	*07/31/15 19:11*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**67**	10	1	B5G0648	07/30/2015	08/01/15 02:05	
ORO	**90**	10	1	B5G0648	07/30/2015	08/01/15 02:05	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
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Client Sample ID B7 / 15'
Lab ID: 1502586-20

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*116 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 02:05*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:16	
4,4´-DDE [2C]	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:16	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:16	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:16	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:16	
alpha-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:16	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:16	
Chlordane	ND	8.5	1	B5G0623	07/29/2015	07/30/15 12:16	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:16	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:16	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:16	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:16	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:16	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:16	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:16	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:16	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:16	
gamma-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:16	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:16	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:16	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 12:16	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 12:16	
Surrogate: Decachlorobiphenyl	*71.7 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 12:16*	
Surrogate: Tetrachloro-m-xylene	*66.5 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 12:16*	

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Client Sample ID B7 / 15'
Lab ID: 1502586-20

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0623	07/29/2015	07/30/15 14:14	
Aroclor 1221	ND	16	1	B5G0623	07/29/2015	07/30/15 14:14	
Aroclor 1232	ND	16	1	B5G0623	07/29/2015	07/30/15 14:14	
Aroclor 1242	ND	16	1	B5G0623	07/29/2015	07/30/15 14:14	
Aroclor 1248	ND	16	1	B5G0623	07/29/2015	07/30/15 14:14	
Aroclor 1254	ND	16	1	B5G0623	07/29/2015	07/30/15 14:14	
Aroclor 1260	ND	16	1	B5G0623	07/29/2015	07/30/15 14:14	
Aroclor 1262	ND	16	1	B5G0623	07/29/2015	07/30/15 14:14	
Aroclor 1268	ND	16	1	B5G0623	07/29/2015	07/30/15 14:14	
Surrogate: Decachlorobiphenyl	*76.6 %*	*8 - 143*		B5G0623	07/29/2015	*07/30/15 14:14*	
Surrogate: Tetrachloro-m-xylene	*60.0 %*	*27 - 124*		B5G0623	07/29/2015	*07/30/15 14:14*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 15:15	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 15'

Lab ID: 1502586-20

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 15:15	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 15:15	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 15:15	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	

Certificate of Analysis

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Client Sample ID B7 / 15'

Lab ID: 1502586-20

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 15:15	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 15:15	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:15	
Surrogate: 1,2-Dichloroethane-d4	*97.9 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 15:15*	
Surrogate: 4-Bromofluorobenzene	*88.8 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 15:15*	
Surrogate: Dibromofluoromethane	*110 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 15:15*	
Surrogate: Toluene-d8	*99.1 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 15:15*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:41	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:41	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:41	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 15'

Lab ID: 1502586-20

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 21:41	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:41	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:41	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 21:41	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 21:41	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:41	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:41	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:41	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 21:41	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 21:41	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 15'

Lab ID: 1502586-20

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 21:41	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:41	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 21:41	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 21:41	
Surrogate: 1,2-Dichlorobenzene-d4	*69.6 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 21:41*	
Surrogate: 2,4,6-Tribromophenol	*77.4 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 21:41*	
Surrogate: 2-Chlorophenol-d4	*79.3 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 21:41*	
Surrogate: 2-Fluorobiphenyl	*77.8 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 21:41*	
Surrogate: 2-Fluorophenol	*77.6 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 21:41*	
Surrogate: 4-Terphenyl-d14	*81.0 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 21:41*	
Surrogate: Nitrobenzene-d5	*82.6 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 21:41*	
Surrogate: Phenol-d5	*78.0 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 21:41*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B7 / 20'
Lab ID: 1502586-21

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 17:01	
Arsenic	**2.1**	1.0	1	B5G0677	07/31/2015	07/31/15 17:01	
Barium	**55**	1.0	1	B5G0677	07/31/2015	07/31/15 17:01	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:00	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:01	
Chromium	**19**	1.0	1	B5G0677	07/31/2015	07/31/15 17:01	
Cobalt	**5.7**	1.0	1	B5G0677	07/31/2015	07/31/15 17:01	
Copper	**9.1**	2.0	1	B5G0677	07/31/2015	07/31/15 17:01	
Lead	**19**	1.0	1	B5G0677	07/31/2015	07/31/15 17:01	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:01	
Nickel	**9.4**	1.0	1	B5G0677	07/31/2015	07/31/15 17:01	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:01	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:01	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:01	
Vanadium	**33**	1.0	1	B5G0677	07/31/2015	07/31/15 17:01	
Zinc	**21**	1.0	1	B5G0677	07/31/2015	07/31/15 17:01	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:54	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0691	07/24/2015	07/31/15 19:27	
Surrogate: 4-Bromofluorobenzene	*84.9 %*	*37 - 153*		B5G0691	07/24/2015	*07/31/15 19:27*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**35**	10	1	B5G0648	07/30/2015	08/01/15 02:56	
ORO	**69**	10	1	B5G0648	07/30/2015	08/01/15 02:56	

Certificate of Analysis

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San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B7 / 20'
Lab ID: 1502586-21

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*108 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 02:56*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD [2C]	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:29	
4,4´-DDE [2C]	**3.6**	2.0	1	B5G0652	07/30/2015	07/31/15 10:29	
4,4´-DDT	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:29	
Aldrin	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:29	
alpha-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:29	
alpha-Chlordane	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:29	
beta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:29	
Chlordane	ND	8.5	1	B5G0652	07/30/2015	07/31/15 10:29	
delta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:29	
Dieldrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:29	
Endosulfan I	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:29	
Endosulfan II	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:29	
Endosulfan sulfate	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:29	
Endrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:29	
Endrin aldehyde	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:29	
Endrin ketone	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:29	
gamma-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:29	
gamma-Chlordane	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:29	
Heptachlor	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:29	
Heptachlor epoxide	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:29	
Methoxychlor	ND	5.0	1	B5G0652	07/30/2015	07/31/15 10:29	
Toxaphene	ND	50	1	B5G0652	07/30/2015	07/31/15 10:29	
Surrogate: Decachlorobiphenyl	*81.8 %*	*16 - 137*		B5G0652	07/30/2015	*07/31/15 10:29*	
Surrogate: Tetrachloro-m-xylene	*67.5 %*	*16 - 105*		B5G0652	07/30/2015	*07/31/15 10:29*	

Certificate of Analysis

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San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B7 / 20'

Lab ID: 1502586-21

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0652	07/30/2015	07/30/15 16:26	
Aroclor 1221	ND	16	1	B5G0652	07/30/2015	07/30/15 16:26	
Aroclor 1232	ND	16	1	B5G0652	07/30/2015	07/30/15 16:26	
Aroclor 1242	ND	16	1	B5G0652	07/30/2015	07/30/15 16:26	
Aroclor 1248	ND	16	1	B5G0652	07/30/2015	07/30/15 16:26	
Aroclor 1254	ND	16	1	B5G0652	07/30/2015	07/30/15 16:26	
Aroclor 1260	ND	16	1	B5G0652	07/30/2015	07/30/15 16:26	
Aroclor 1262	ND	16	1	B5G0652	07/30/2015	07/30/15 16:26	
Aroclor 1268	ND	16	1	B5G0652	07/30/2015	07/30/15 16:26	
Surrogate: Decachlorobiphenyl	*85.5 %*	*8 - 143*		B5G0652	07/30/2015	*07/30/15 16:26*	
Surrogate: Tetrachloro-m-xylene	*80.3 %*	*27 - 124*		B5G0652	07/30/2015	*07/30/15 16:26*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 15:33	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B7 / 20'

Lab ID: 1502586-21

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 15:33	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 15:33	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 15:33	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B7 / 20'

Lab ID: 1502586-21

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 15:33	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 15:33	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:33	
Surrogate: 1,2-Dichloroethane-d4	*94.3 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 15:33*	
Surrogate: 4-Bromofluorobenzene	*91.7 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 15:33*	
Surrogate: Dibromofluoromethane	*112 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 15:33*	
Surrogate: Toluene-d8	*97.4 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 15:33*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:08	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:08	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:08	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 20'

Lab ID: 1502586-21

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 22:08	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:08	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:08	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 22:08	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 22:08	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:08	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:08	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:08	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 22:08	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 22:08	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 20'
Lab ID: 1502586-21

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 22:08	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:08	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 22:08	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 22:08	
Surrogate: 1,2-Dichlorobenzene-d4	*68.4 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 22:08*	
Surrogate: 2,4,6-Tribromophenol	*75.8 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 22:08*	
Surrogate: 2-Chlorophenol-d4	*82.8 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 22:08*	
Surrogate: 2-Fluorobiphenyl	*73.6 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 22:08*	
Surrogate: 2-Fluorophenol	*81.4 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 22:08*	
Surrogate: 4-Terphenyl-d14	*78.1 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 22:08*	
Surrogate: Nitrobenzene-d5	*85.4 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 22:08*	
Surrogate: Phenol-d5	*80.7 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 22:08*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B7 / 25'
Lab ID: 1502586-22

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 17:12	
Arsenic	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:12	
Barium	**87**	1.0	1	B5G0677	07/31/2015	07/31/15 17:12	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:11	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:12	
Chromium	**5.9**	1.0	1	B5G0677	07/31/2015	07/31/15 17:12	
Cobalt	**5.7**	1.0	1	B5G0677	07/31/2015	07/31/15 17:12	
Copper	**21**	2.0	1	B5G0677	07/31/2015	07/31/15 17:12	
Lead	**1.4**	1.0	1	B5G0677	07/31/2015	07/31/15 17:12	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:12	
Nickel	**3.6**	1.0	1	B5G0677	07/31/2015	07/31/15 17:12	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:12	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:12	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:12	
Vanadium	**48**	1.0	1	B5G0677	07/31/2015	07/31/15 17:12	
Zinc	**24**	1.0	1	B5G0677	07/31/2015	07/31/15 17:12	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:56	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0691	07/24/2015	07/31/15 19:43	
Surrogate: 4-Bromofluorobenzene	*82.5 %*	*37 - 153*		B5G0691	07/24/2015	*07/31/15 19:43*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0648	07/30/2015	07/31/15 23:32	
ORO	ND	10	1	B5G0648	07/30/2015	07/31/15 23:32	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B7 / 25'

Lab ID: 1502586-22

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*110 %*	*49 - 142*		B5G0648	07/30/2015	*07/31/15 23:32*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:39	
4,4´-DDE	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:39	
4,4´-DDT	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:39	
Aldrin	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:39	
alpha-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:39	
alpha-Chlordane	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:39	
beta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:39	
Chlordane	ND	8.5	1	B5G0652	07/30/2015	07/31/15 10:39	
delta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:39	
Dieldrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:39	
Endosulfan I	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:39	
Endosulfan II	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:39	
Endosulfan sulfate	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:39	
Endrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:39	
Endrin aldehyde	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:39	
Endrin ketone	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:39	
gamma-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:39	
gamma-Chlordane	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:39	
Heptachlor	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:39	
Heptachlor epoxide	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:39	
Methoxychlor	ND	5.0	1	B5G0652	07/30/2015	07/31/15 10:39	
Toxaphene	ND	50	1	B5G0652	07/30/2015	07/31/15 10:39	
Surrogate: Decachlorobiphenyl	*80.9 %*	*16 - 137*		B5G0652	07/30/2015	*07/31/15 10:39*	
Surrogate: Tetrachloro-m-xylene	*66.1 %*	*16 - 105*		B5G0652	07/30/2015	*07/31/15 10:39*	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 25'
Lab ID: 1502586-22

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0652	07/30/2015	07/30/15 16:45	
Aroclor 1221	ND	16	1	B5G0652	07/30/2015	07/30/15 16:45	
Aroclor 1232	ND	16	1	B5G0652	07/30/2015	07/30/15 16:45	
Aroclor 1242	ND	16	1	B5G0652	07/30/2015	07/30/15 16:45	
Aroclor 1248	ND	16	1	B5G0652	07/30/2015	07/30/15 16:45	
Aroclor 1254	ND	16	1	B5G0652	07/30/2015	07/30/15 16:45	
Aroclor 1260	ND	16	1	B5G0652	07/30/2015	07/30/15 16:45	
Aroclor 1262	ND	16	1	B5G0652	07/30/2015	07/30/15 16:45	
Aroclor 1268	ND	16	1	B5G0652	07/30/2015	07/30/15 16:45	
Surrogate: Decachlorobiphenyl	*82.9 %*	*8 - 143*		B5G0652	07/30/2015	*07/30/15 16:45*	
Surrogate: Tetrachloro-m-xylene	*64.9 %*	*27 - 124*		B5G0652	07/30/2015	*07/30/15 16:45*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 15:52	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
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Client Sample ID B7 / 25'

Lab ID: 1502586-22

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 15:52	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 15:52	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 15:52	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B7 / 25'

Lab ID: 1502586-22

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 15:52	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 15:52	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 15:52	
Surrogate: 1,2-Dichloroethane-d4	*93.2 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 15:52*	
Surrogate: 4-Bromofluorobenzene	*93.4 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 15:52*	
Surrogate: Dibromofluoromethane	*111 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 15:52*	
Surrogate: Toluene-d8	*101 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 15:52*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:32	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:32	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:32	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 25'

Lab ID: 1502586-22

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 16:32	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:32	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:32	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 16:32	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 16:32	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:32	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:32	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:32	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 16:32	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 16:32	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B7 / 25'

Lab ID: 1502586-22

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 16:32	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:32	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 16:32	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 16:32	
Surrogate: 1,2-Dichlorobenzene-d4	*70.2 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 16:32*	
Surrogate: 2,4,6-Tribromophenol	*72.5 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 16:32*	
Surrogate: 2-Chlorophenol-d4	*82.3 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 16:32*	
Surrogate: 2-Fluorobiphenyl	*76.5 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 16:32*	
Surrogate: 2-Fluorophenol	*81.9 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 16:32*	
Surrogate: 4-Terphenyl-d14	*86.9 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 16:32*	
Surrogate: Nitrobenzene-d5	*87.1 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 16:32*	
Surrogate: Phenol-d5	*80.7 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 16:32*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B7 / 30'

Lab ID: 1502586-23

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**1.5**	1.0	1	B5G0675	07/31/2015	07/31/15 16:33	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:28	
4,4´-DDE	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:28	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:28	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:28	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:28	
alpha-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:28	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:28	
Chlordane	ND	8.5	1	B5G0623	07/29/2015	07/30/15 12:28	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:28	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:28	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:28	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:28	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:28	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:28	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:28	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:28	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:28	
gamma-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:28	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:28	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:28	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 12:28	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 12:28	
Surrogate: Decachlorobiphenyl	*74.8 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 12:28*	
Surrogate: Tetrachloro-m-xylene	*73.9 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 12:28*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B8 / 5'
Lab ID: 1502586-25

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 17:15	
Arsenic	**2.1**	1.0	1	B5G0677	07/31/2015	07/31/15 17:15	
Barium	**250**	1.0	1	B5G0677	07/31/2015	07/31/15 17:15	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:14	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:15	
Chromium	**9.0**	1.0	1	B5G0677	07/31/2015	07/31/15 17:15	
Cobalt	**2.4**	1.0	1	B5G0677	07/31/2015	07/31/15 17:15	
Copper	**5.3**	2.0	1	B5G0677	07/31/2015	07/31/15 17:15	
Lead	**29**	1.0	1	B5G0677	07/31/2015	07/31/15 17:15	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:15	
Nickel	**2.9**	1.0	1	B5G0677	07/31/2015	07/31/15 17:15	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:15	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:15	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:15	
Vanadium	**24**	1.0	1	B5G0677	07/31/2015	07/31/15 17:15	
Zinc	**23**	1.0	1	B5G0677	07/31/2015	07/31/15 17:15	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 15:58	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0691	07/24/2015	07/31/15 19:59	
Surrogate: 4-Bromofluorobenzene	*85.7 %*	*37 - 153*		B5G0691	07/24/2015	*07/31/15 19:59*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0648	07/30/2015	08/01/15 01:48	
ORO	ND	10	1	B5G0648	07/30/2015	08/01/15 01:48	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 5'
Lab ID: 1502586-25

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*119 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 01:48*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:50	
4,4´-DDE	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:50	
4,4´-DDT	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:50	
Aldrin	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:50	
alpha-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:50	
alpha-Chlordane [2C]	**2.1**	1.0	1	B5G0652	07/30/2015	07/31/15 10:50	
beta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:50	
Chlordane	**18**	8.5	1	B5G0652	07/30/2015	07/31/15 10:50	
delta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:50	
Dieldrin [2C]	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:50	
Endosulfan I	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:50	
Endosulfan II	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:50	
Endosulfan sulfate	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:50	
Endrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:50	
Endrin aldehyde	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:50	
Endrin ketone	ND	2.0	1	B5G0652	07/30/2015	07/31/15 10:50	
gamma-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:50	
gamma-Chlordane [2C]	**1.8**	1.0	1	B5G0652	07/30/2015	07/31/15 10:50	
Heptachlor	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:50	
Heptachlor epoxide	ND	1.0	1	B5G0652	07/30/2015	07/31/15 10:50	
Methoxychlor	ND	5.0	1	B5G0652	07/30/2015	07/31/15 10:50	
Toxaphene	ND	50	1	B5G0652	07/30/2015	07/31/15 10:50	
Surrogate: Decachlorobiphenyl	*84.5 %*	*16 - 137*		B5G0652	07/30/2015	*07/31/15 10:50*	
Surrogate: Tetrachloro-m-xylene	*71.2 %*	*16 - 105*		B5G0652	07/30/2015	*07/31/15 10:50*	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 5'
Lab ID: 1502586-25

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0652	07/30/2015	07/30/15 17:04	
Aroclor 1221	ND	16	1	B5G0652	07/30/2015	07/30/15 17:04	
Aroclor 1232	ND	16	1	B5G0652	07/30/2015	07/30/15 17:04	
Aroclor 1242	ND	16	1	B5G0652	07/30/2015	07/30/15 17:04	
Aroclor 1248	ND	16	1	B5G0652	07/30/2015	07/30/15 17:04	
Aroclor 1254	ND	16	1	B5G0652	07/30/2015	07/30/15 17:04	
Aroclor 1260	ND	16	1	B5G0652	07/30/2015	07/30/15 17:04	
Aroclor 1262	ND	16	1	B5G0652	07/30/2015	07/30/15 17:04	
Aroclor 1268	ND	16	1	B5G0652	07/30/2015	07/30/15 17:04	
Surrogate: Decachlorobiphenyl	*86.0 %*	*8 - 143*		B5G0652	07/30/2015	*07/30/15 17:04*	
Surrogate: Tetrachloro-m-xylene	*79.9 %*	*27 - 124*		B5G0652	07/30/2015	*07/30/15 17:04*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 16:11	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 5'

Lab ID: 1502586-25

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 16:11	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 16:11	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 16:11	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B8 / 5'

Lab ID: 1502586-25

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 16:11	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 16:11	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:11	
Surrogate: 1,2-Dichloroethane-d4	*99.3 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 16:11*	
Surrogate: 4-Bromofluorobenzene	*86.8 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 16:11*	
Surrogate: Dibromofluoromethane	*112 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 16:11*	
Surrogate: Toluene-d8	*97.7 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 16:11*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:53	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:53	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:53	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 5'

Lab ID: 1502586-25

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 18:53	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:53	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:53	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 18:53	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 18:53	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:53	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:53	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:53	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 18:53	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 18:53	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 5'

Lab ID: 1502586-25

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 18:53	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:53	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:53	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:53	
Surrogate: 1,2-Dichlorobenzene-d4	*59.1 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 18:53*	
Surrogate: 2,4,6-Tribromophenol	*68.9 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 18:53*	
Surrogate: 2-Chlorophenol-d4	*70.0 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 18:53*	
Surrogate: 2-Fluorobiphenyl	*69.3 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 18:53*	
Surrogate: 2-Fluorophenol	*68.6 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 18:53*	
Surrogate: 4-Terphenyl-d14	*78.1 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 18:53*	
Surrogate: Nitrobenzene-d5	*72.8 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 18:53*	
Surrogate: Phenol-d5	*69.4 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 18:53*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B8 / 10'
Lab ID: 1502586-26

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 17:18	
Arsenic	**1.9**	1.0	1	B5G0677	07/31/2015	07/31/15 17:18	
Barium	**57**	1.0	1	B5G0677	07/31/2015	07/31/15 17:18	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:17	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:18	
Chromium	**16**	1.0	1	B5G0677	07/31/2015	07/31/15 17:18	
Cobalt	**6.7**	1.0	1	B5G0677	07/31/2015	07/31/15 17:18	
Copper	**12**	2.0	1	B5G0677	07/31/2015	07/31/15 17:18	
Lead	**14**	1.0	1	B5G0677	07/31/2015	07/31/15 17:18	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:18	
Nickel	**7.2**	1.0	1	B5G0677	07/31/2015	07/31/15 17:18	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:18	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:18	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:18	
Vanadium	**33**	1.0	1	B5G0677	07/31/2015	07/31/15 17:18	
Zinc	**27**	1.0	1	B5G0677	07/31/2015	07/31/15 17:18	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 16:00	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0691	07/24/2015	07/31/15 20:15	
Surrogate: 4-Bromofluorobenzene	*85.5 %*	*37 - 153*		B5G0691	07/24/2015	*07/31/15 20:15*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**20**	10	1	B5G0648	07/30/2015	08/01/15 03:31	
ORO	**60**	10	1	B5G0648	07/30/2015	08/01/15 03:31	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B8 / 10'
Lab ID: 1502586-26

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*101 %*	*49 - 142*		B5G0648	07/30/2015	*08/01/15 03:31*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:00	
4,4´-DDE [2C]	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:00	
4,4´-DDT	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:00	
Aldrin	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:00	
alpha-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:00	
alpha-Chlordane	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:00	
beta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:00	
Chlordane [2C]	ND	8.5	1	B5G0652	07/30/2015	07/31/15 11:00	
delta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:00	
Dieldrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:00	
Endosulfan I	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:00	
Endosulfan II	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:00	
Endosulfan sulfate	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:00	
Endrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:00	
Endrin aldehyde	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:00	
Endrin ketone	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:00	
gamma-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:00	
gamma-Chlordane	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:00	
Heptachlor	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:00	
Heptachlor epoxide	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:00	
Methoxychlor	ND	5.0	1	B5G0652	07/30/2015	07/31/15 11:00	
Toxaphene	ND	50	1	B5G0652	07/30/2015	07/31/15 11:00	
Surrogate: Decachlorobiphenyl	*73.8 %*	*16 - 137*		B5G0652	07/30/2015	*07/31/15 11:00*	
Surrogate: Tetrachloro-m-xylene	*65.9 %*	*16 - 105*		B5G0652	07/30/2015	*07/31/15 11:00*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B8 / 10'

Lab ID: 1502586-26

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0652	07/30/2015	07/30/15 17:23	
Aroclor 1221	ND	16	1	B5G0652	07/30/2015	07/30/15 17:23	
Aroclor 1232	ND	16	1	B5G0652	07/30/2015	07/30/15 17:23	
Aroclor 1242	ND	16	1	B5G0652	07/30/2015	07/30/15 17:23	
Aroclor 1248	ND	16	1	B5G0652	07/30/2015	07/30/15 17:23	
Aroclor 1254	ND	16	1	B5G0652	07/30/2015	07/30/15 17:23	
Aroclor 1260	ND	16	1	B5G0652	07/30/2015	07/30/15 17:23	
Aroclor 1262	ND	16	1	B5G0652	07/30/2015	07/30/15 17:23	
Aroclor 1268	ND	16	1	B5G0652	07/30/2015	07/30/15 17:23	
Surrogate: Decachlorobiphenyl	*84.4 %*	*8 - 143*		B5G0652	07/30/2015	*07/30/15 17:23*	
Surrogate: Tetrachloro-m-xylene	*77.8 %*	*27 - 124*		B5G0652	07/30/2015	*07/30/15 17:23*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 16:29	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 10'

Lab ID: 1502586-26

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 16:29	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 16:29	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 16:29	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 10'

Lab ID: 1502586-26

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 16:29	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 16:29	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:29	
Surrogate: 1,2-Dichloroethane-d4	*96.9 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 16:29*	
Surrogate: 4-Bromofluorobenzene	*86.8 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 16:29*	
Surrogate: Dibromofluoromethane	*114 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 16:29*	
Surrogate: Toluene-d8	*100 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 16:29*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:25	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:25	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:25	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 10'

Lab ID: 1502586-26

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 18:25	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:25	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:25	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 18:25	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 18:25	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:25	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:25	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:25	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 18:25	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 18:25	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 10'

Lab ID: 1502586-26

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 18:25	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:25	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 18:25	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 18:25	
Surrogate: 1,2-Dichlorobenzene-d4	*61.9 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 18:25*	
Surrogate: 2,4,6-Tribromophenol	*66.5 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 18:25*	
Surrogate: 2-Chlorophenol-d4	*76.4 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 18:25*	
Surrogate: 2-Fluorobiphenyl	*65.4 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 18:25*	
Surrogate: 2-Fluorophenol	*75.9 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 18:25*	
Surrogate: 4-Terphenyl-d14	*74.5 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 18:25*	
Surrogate: Nitrobenzene-d5	*78.7 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 18:25*	
Surrogate: Phenol-d5	*76.6 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 18:25*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B8 / 15'
Lab ID: 1502586-27

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0677	07/31/2015	07/31/15 17:21	
Arsenic	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:21	
Barium	**65**	1.0	1	B5G0677	07/31/2015	07/31/15 17:21	
Beryllium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:20	
Cadmium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:21	
Chromium	**6.6**	1.0	1	B5G0677	07/31/2015	07/31/15 17:21	
Cobalt	**6.3**	1.0	1	B5G0677	07/31/2015	07/31/15 17:21	
Copper	**20**	2.0	1	B5G0677	07/31/2015	07/31/15 17:21	
Lead	**1.6**	1.0	1	B5G0677	07/31/2015	07/31/15 17:21	
Molybdenum	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:21	
Nickel	**3.9**	1.0	1	B5G0677	07/31/2015	07/31/15 17:21	
Selenium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:21	
Silver	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:21	
Thallium	ND	1.0	1	B5G0677	07/31/2015	07/31/15 17:21	
Vanadium	**51**	1.0	1	B5G0677	07/31/2015	07/31/15 17:21	
Zinc	**22**	1.0	1	B5G0677	07/31/2015	07/31/15 17:21	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0679	07/31/2015	07/31/15 16:02	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0691	07/24/2015	07/31/15 20:30	
Surrogate: 4-Bromofluorobenzene	*84.8 %*	*37 - 153*		B5G0691	07/24/2015	*07/31/15 20:30*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0648	07/30/2015	07/31/15 23:50	
ORO	ND	10	1	B5G0648	07/30/2015	07/31/15 23:50	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 15'
Lab ID: 1502586-27

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*96.6 %*	*49 - 142*		B5G0648	07/30/2015	*07/31/15 23:50*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:11	
4,4´-DDE	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:11	
4,4´-DDT	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:11	
Aldrin	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:11	
alpha-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:11	
alpha-Chlordane	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:11	
beta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:11	
Chlordane	ND	8.5	1	B5G0652	07/30/2015	07/31/15 11:11	
delta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:11	
Dieldrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:11	
Endosulfan I	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:11	
Endosulfan II	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:11	
Endosulfan sulfate	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:11	
Endrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:11	
Endrin aldehyde	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:11	
Endrin ketone	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:11	
gamma-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:11	
gamma-Chlordane	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:11	
Heptachlor	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:11	
Heptachlor epoxide	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:11	
Methoxychlor	ND	5.0	1	B5G0652	07/30/2015	07/31/15 11:11	
Toxaphene	ND	50	1	B5G0652	07/30/2015	07/31/15 11:11	
Surrogate: Decachlorobiphenyl	*78.4 %*	*16 - 137*		B5G0652	07/30/2015	*07/31/15 11:11*	
Surrogate: Tetrachloro-m-xylene	*60.2 %*	*16 - 105*		B5G0652	07/30/2015	*07/31/15 11:11*	

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B8 / 15'

Lab ID: 1502586-27

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0652	07/30/2015	07/30/15 17:42	
Aroclor 1221	ND	16	1	B5G0652	07/30/2015	07/30/15 17:42	
Aroclor 1232	ND	16	1	B5G0652	07/30/2015	07/30/15 17:42	
Aroclor 1242	ND	16	1	B5G0652	07/30/2015	07/30/15 17:42	
Aroclor 1248	ND	16	1	B5G0652	07/30/2015	07/30/15 17:42	
Aroclor 1254	ND	16	1	B5G0652	07/30/2015	07/30/15 17:42	
Aroclor 1260	ND	16	1	B5G0652	07/30/2015	07/30/15 17:42	
Aroclor 1262	ND	16	1	B5G0652	07/30/2015	07/30/15 17:42	
Aroclor 1268	ND	16	1	B5G0652	07/30/2015	07/30/15 17:42	
Surrogate: Decachlorobiphenyl	*82.6 %*	*8 - 143*		B5G0652	07/30/2015	*07/30/15 17:42*	
Surrogate: Tetrachloro-m-xylene	*67.8 %*	*27 - 124*		B5G0652	07/30/2015	*07/30/15 17:42*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,1,1-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,1,2-Trichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,1-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,1-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,1-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,2,3-Trichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0516	07/27/2015	07/27/15 16:48	
1,2-Dibromoethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,2-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,2-Dichloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,3-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,3-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
1,4-Dichlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
2,2-Dichloropropane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 15'

Lab ID: 1502586-27

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
4-Chlorotoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
4-Isopropyltoluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Benzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Bromobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Bromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Bromodichloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Bromoform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Bromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Carbon disulfide	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Carbon tetrachloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Chlorobenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Chloroethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Chloroform	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Chloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Di-isopropyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Dibromochloromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Dibromomethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Dichlorodifluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Ethyl Acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 16:48	
Ethyl Ether	ND	50	1	B5G0516	07/27/2015	07/27/15 16:48	
Ethyl tert-butyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Ethylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Freon-113	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Hexachlorobutadiene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Isopropylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
m,p-Xylene	ND	10	1	B5G0516	07/27/2015	07/27/15 16:48	
Methylene chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
MTBE	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
n-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
n-Propylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Naphthalene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
o-Xylene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
sec-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Styrene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B8 / 15'

Lab ID: 1502586-27

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
tert-Butanol	ND	100	1	B5G0516	07/27/2015	07/27/15 16:48	
tert-Butylbenzene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Tetrachloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Toluene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Trichloroethene	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Trichlorofluoromethane	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Vinyl acetate	ND	50	1	B5G0516	07/27/2015	07/27/15 16:48	
Vinyl chloride	ND	5.0	1	B5G0516	07/27/2015	07/27/15 16:48	
Surrogate: 1,2-Dichloroethane-d4	*99.5 %*	*20 - 189*		B5G0516	07/27/2015	*07/27/15 16:48*	
Surrogate: 4-Bromofluorobenzene	*83.6 %*	*20 - 173*		B5G0516	07/27/2015	*07/27/15 16:48*	
Surrogate: Dibromofluoromethane	*117 %*	*26 - 178*		B5G0516	07/27/2015	*07/27/15 16:48*	
Surrogate: Toluene-d8	*98.9 %*	*31 - 166*		B5G0516	07/27/2015	*07/27/15 16:48*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
1,2-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
1,3-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
1,4-Dichlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
2,4,5-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
2,4,6-Trichlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
2,4-Dichlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:01	
2,4-Dimethylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
2,4-Dinitrophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:01	
2,4-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
2,6-Dinitrotoluene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
2-Chloronaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
2-Chlorophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
2-Methylnaphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
2-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
2-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:01	
2-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 15'

Lab ID: 1502586-27

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0606	07/29/2015	07/29/15 17:01	
3-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:01	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:01	
4-Bromophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
4-Chloro-3-methylphenol	ND	660	1	B5G0606	07/29/2015	07/29/15 17:01	
4-Chloroaniline	ND	660	1	B5G0606	07/29/2015	07/29/15 17:01	
4-Chlorophenyl-phenylether	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
4-Methylphenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
4-Nitroaniline	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:01	
4-Nitrophenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Acenaphthene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Acenaphthylene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Benzidine (M)	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:01	
Benzo(a)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Benzo(a)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Benzo(b)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Benzo(g,h,i)perylene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Benzo(k)fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Benzoic acid	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:01	
Benzyl alcohol	ND	660	1	B5G0606	07/29/2015	07/29/15 17:01	
bis(2-chloroethoxy)methane	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
bis(2-Chloroethyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Butylbenzylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Chrysene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Di-n-butylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Di-n-octylphthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Dibenz(a,h)anthracene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Dibenzofuran	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Diethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Dimethyl phthalate	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Fluoranthene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Fluorene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Hexachlorobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Hexachlorobutadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 17:01	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 15'

Lab ID: 1502586-27

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0606	07/29/2015	07/29/15 17:01	
Hexachloroethane	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Isophorone	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
N-Nitroso-di-n propylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
N-Nitrosodiphenylamine	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Naphthalene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Nitrobenzene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Pentachlorophenol	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:01	
Phenanthrene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Phenol	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Pyrene	ND	330	1	B5G0606	07/29/2015	07/29/15 17:01	
Pyridine	ND	1600	1	B5G0606	07/29/2015	07/29/15 17:01	
Surrogate: 1,2-Dichlorobenzene-d4	*74.2 %*	*24 - 114*		B5G0606	07/29/2015	*07/29/15 17:01*	
Surrogate: 2,4,6-Tribromophenol	*71.0 %*	*0 - 189*		B5G0606	07/29/2015	*07/29/15 17:01*	
Surrogate: 2-Chlorophenol-d4	*79.5 %*	*23 - 123*		B5G0606	07/29/2015	*07/29/15 17:01*	
Surrogate: 2-Fluorobiphenyl	*81.2 %*	*28 - 128*		B5G0606	07/29/2015	*07/29/15 17:01*	
Surrogate: 2-Fluorophenol	*77.5 %*	*8 - 138*		B5G0606	07/29/2015	*07/29/15 17:01*	
Surrogate: 4-Terphenyl-d14	*88.5 %*	*27 - 154*		B5G0606	07/29/2015	*07/29/15 17:01*	
Surrogate: Nitrobenzene-d5	*83.8 %*	*19 - 129*		B5G0606	07/29/2015	*07/29/15 17:01*	
Surrogate: Phenol-d5	*76.6 %*	*20 - 126*		B5G0606	07/29/2015	*07/29/15 17:01*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B8 / 20'
Lab ID: 1502586-28

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0678	07/31/2015	07/31/15 17:39	
Arsenic	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:39	
Barium	**85**	1.0	1	B5G0678	07/31/2015	07/31/15 17:39	
Beryllium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:38	
Cadmium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:39	
Chromium	**7.6**	1.0	1	B5G0678	07/31/2015	07/31/15 17:39	
Cobalt	**6.4**	1.0	1	B5G0678	07/31/2015	07/31/15 17:39	
Copper	**25**	2.0	1	B5G0678	07/31/2015	07/31/15 17:39	
Lead	**1.7**	1.0	1	B5G0678	07/31/2015	07/31/15 17:39	
Molybdenum	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:39	
Nickel	**3.8**	1.0	1	B5G0678	07/31/2015	07/31/15 17:39	
Selenium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:39	
Silver	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:39	
Thallium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:39	
Vanadium	**51**	1.0	1	B5G0678	07/31/2015	07/31/15 17:39	
Zinc	**24**	1.0	1	B5G0678	07/31/2015	07/31/15 17:39	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0680	07/31/2015	07/31/15 16:08	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0691	07/24/2015	07/31/15 20:46	
Surrogate: 4-Bromofluorobenzene	*83.6 %*	*37 - 153*		B5G0691	07/24/2015	*07/31/15 20:46*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0657	07/30/2015	07/31/15 18:31	
ORO	ND	10	1	B5G0657	07/30/2015	07/31/15 18:31	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B8 / 20'
Lab ID: 1502586-28

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*123 %*	*49 - 142*		B5G0657	07/30/2015	*07/31/15 18:31*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:21	
4,4´-DDE	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:21	
4,4´-DDT	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:21	
Aldrin	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:21	
alpha-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:21	
alpha-Chlordane	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:21	
beta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:21	
Chlordane	ND	8.5	1	B5G0652	07/30/2015	07/31/15 11:21	
delta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:21	
Dieldrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:21	
Endosulfan I	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:21	
Endosulfan II	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:21	
Endosulfan sulfate	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:21	
Endrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:21	
Endrin aldehyde	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:21	
Endrin ketone	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:21	
gamma-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:21	
gamma-Chlordane	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:21	
Heptachlor	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:21	
Heptachlor epoxide	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:21	
Methoxychlor	ND	5.0	1	B5G0652	07/30/2015	07/31/15 11:21	
Toxaphene	ND	50	1	B5G0652	07/30/2015	07/31/15 11:21	
Surrogate: Decachlorobiphenyl	*77.1 %*	*16 - 137*		B5G0652	07/30/2015	*07/31/15 11:21*	
Surrogate: Tetrachloro-m-xylene	*64.2 %*	*16 - 105*		B5G0652	07/30/2015	*07/31/15 11:21*	

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B8 / 20'

Lab ID: 1502586-28

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0652	07/30/2015	07/30/15 18:01	
Aroclor 1221	ND	16	1	B5G0652	07/30/2015	07/30/15 18:01	
Aroclor 1232	ND	16	1	B5G0652	07/30/2015	07/30/15 18:01	
Aroclor 1242	ND	16	1	B5G0652	07/30/2015	07/30/15 18:01	
Aroclor 1248	ND	16	1	B5G0652	07/30/2015	07/30/15 18:01	
Aroclor 1254	ND	16	1	B5G0652	07/30/2015	07/30/15 18:01	
Aroclor 1260	ND	16	1	B5G0652	07/30/2015	07/30/15 18:01	
Aroclor 1262	ND	16	1	B5G0652	07/30/2015	07/30/15 18:01	
Aroclor 1268	ND	16	1	B5G0652	07/30/2015	07/30/15 18:01	
Surrogate: Decachlorobiphenyl	*85.7 %*	*8 - 143*		B5G0652	07/30/2015	*07/30/15 18:01*	
Surrogate: Tetrachloro-m-xylene	*76.4 %*	*27 - 124*		B5G0652	07/30/2015	*07/30/15 18:01*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,1,1-Trichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,1,2-Trichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,1-Dichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,1-Dichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,1-Dichloropropene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,2,3-Trichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0554	07/27/2015	07/27/15 20:06	
1,2-Dibromoethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,2-Dichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,2-Dichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,2-Dichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,3-Dichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,3-Dichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
1,4-Dichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
2,2-Dichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 20'

Lab ID: 1502586-28

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
4-Chlorotoluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
4-Isopropyltoluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Benzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Bromobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Bromochloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Bromodichloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Bromoform	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Bromomethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Carbon disulfide	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Carbon tetrachloride	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Chlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Chloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Chloroform	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Chloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Di-isopropyl ether	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Dibromochloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Dibromomethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Dichlorodifluoromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Ethyl Acetate	ND	50	1	B5G0554	07/27/2015	07/27/15 20:06	
Ethyl Ether	ND	50	1	B5G0554	07/27/2015	07/27/15 20:06	
Ethyl tert-butyl ether	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Ethylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Freon-113	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Hexachlorobutadiene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Isopropylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
m,p-Xylene	ND	10	1	B5G0554	07/27/2015	07/27/15 20:06	
Methylene chloride	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
MTBE	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
n-Butylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
n-Propylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Naphthalene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
o-Xylene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
sec-Butylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Styrene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 20'

Lab ID: 1502586-28

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
tert-Butanol	ND	100	1	B5G0554	07/27/2015	07/27/15 20:06	
tert-Butylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Tetrachloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Toluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Trichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Trichlorofluoromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Vinyl acetate	ND	50	1	B5G0554	07/27/2015	07/27/15 20:06	
Vinyl chloride	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:06	
Surrogate: 1,2-Dichloroethane-d4	*92.7 %*	*20 - 189*		B5G0554	07/27/2015	*07/27/15 20:06*	
Surrogate: 4-Bromofluorobenzene	*88.5 %*	*20 - 173*		B5G0554	07/27/2015	*07/27/15 20:06*	
Surrogate: Dibromofluoromethane	*115 %*	*26 - 178*		B5G0554	07/27/2015	*07/27/15 20:06*	
Surrogate: Toluene-d8	*98.4 %*	*31 - 166*		B5G0554	07/27/2015	*07/27/15 20:06*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
1,2-Dichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
1,3-Dichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
1,4-Dichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
2,4,5-Trichlorophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
2,4,6-Trichlorophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
2,4-Dichlorophenol	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:14	
2,4-Dimethylphenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
2,4-Dinitrophenol	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:14	
2,4-Dinitrotoluene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
2,6-Dinitrotoluene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
2-Chloronaphthalene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
2-Chlorophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
2-Methylnaphthalene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
2-Methylphenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
2-Nitroaniline	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:14	
2-Nitrophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 20'

Lab ID: 1502586-28

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0666	07/31/2015	07/31/15 13:14	
3-Nitroaniline	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:14	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:14	
4-Bromophenyl-phenylether	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
4-Chloro-3-methylphenol	ND	660	1	B5G0666	07/31/2015	07/31/15 13:14	
4-Chloroaniline	ND	660	1	B5G0666	07/31/2015	07/31/15 13:14	
4-Chlorophenyl-phenylether	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
4-Methylphenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
4-Nitroaniline	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:14	
4-Nitrophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Acenaphthene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Acenaphthylene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Anthracene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Benzidine (M)	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:14	
Benzo(a)anthracene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Benzo(a)pyrene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Benzo(b)fluoranthene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Benzo(g,h,i)perylene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Benzo(k)fluoranthene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Benzoic acid	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:14	
Benzyl alcohol	ND	660	1	B5G0666	07/31/2015	07/31/15 13:14	
bis(2-chloroethoxy)methane	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
bis(2-Chloroethyl)ether	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Butylbenzylphthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Chrysene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Di-n-butylphthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Di-n-octylphthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Dibenz(a,h)anthracene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Dibenzofuran	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Diethyl phthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Dimethyl phthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Fluoranthene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Fluorene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Hexachlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Hexachlorobutadiene	ND	660	1	B5G0666	07/31/2015	07/31/15 13:14	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B8 / 20'

Lab ID: 1502586-28

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0666	07/31/2015	07/31/15 13:14	
Hexachloroethane	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Isophorone	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
N-Nitroso-di-n propylamine	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
N-Nitrosodiphenylamine	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Naphthalene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Nitrobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Pentachlorophenol	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:14	
Phenanthrene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Phenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Pyrene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:14	
Pyridine	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:14	
Surrogate: 1,2-Dichlorobenzene-d4	*52.9 %*	*24 - 114*		B5G0666	07/31/2015	*07/31/15 13:14*	
Surrogate: 2,4,6-Tribromophenol	*69.2 %*	*0 - 189*		B5G0666	07/31/2015	*07/31/15 13:14*	
Surrogate: 2-Chlorophenol-d4	*56.3 %*	*23 - 123*		B5G0666	07/31/2015	*07/31/15 13:14*	
Surrogate: 2-Fluorobiphenyl	*74.0 %*	*28 - 128*		B5G0666	07/31/2015	*07/31/15 13:14*	
Surrogate: 2-Fluorophenol	*54.1 %*	*8 - 138*		B5G0666	07/31/2015	*07/31/15 13:14*	
Surrogate: 4-Terphenyl-d14	*88.9 %*	*27 - 154*		B5G0666	07/31/2015	*07/31/15 13:14*	
Surrogate: Nitrobenzene-d5	*62.6 %*	*19 - 129*		B5G0666	07/31/2015	*07/31/15 13:14*	
Surrogate: Phenol-d5	*57.4 %*	*20 - 126*		B5G0666	07/31/2015	*07/31/15 13:14*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B8 / 25'

Lab ID: 1502586-29

Total Metals by ICP-AES EPA 6010B — **Analyst: RR**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	1.0	1	B5G0675	07/31/2015	07/31/15 16:35	

Organochlorine Pesticides by EPA 8081 — **Analyst: CL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:40	
4,4´-DDE	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:40	
4,4´-DDT	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:40	
Aldrin	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:40	
alpha-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:40	
alpha-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:40	
beta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:40	
Chlordane	ND	8.5	1	B5G0623	07/29/2015	07/30/15 12:40	
delta-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:40	
Dieldrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:40	
Endosulfan I	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:40	
Endosulfan II	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:40	
Endosulfan sulfate	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:40	
Endrin	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:40	
Endrin aldehyde	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:40	
Endrin ketone	ND	2.0	1	B5G0623	07/29/2015	07/30/15 12:40	
gamma-BHC	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:40	
gamma-Chlordane	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:40	
Heptachlor	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:40	
Heptachlor epoxide	ND	1.0	1	B5G0623	07/29/2015	07/30/15 12:40	
Methoxychlor	ND	5.0	1	B5G0623	07/29/2015	07/30/15 12:40	
Toxaphene	ND	50	1	B5G0623	07/29/2015	07/30/15 12:40	
Surrogate: Decachlorobiphenyl	*76.4 %*	*16 - 137*		B5G0623	07/29/2015	*07/30/15 12:40*	
Surrogate: Tetrachloro-m-xylene	*78.3 %*	*16 - 105*		B5G0623	07/29/2015	*07/30/15 12:40*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B9 / 5'
Lab ID: 1502586-31

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0678	07/31/2015	07/31/15 17:49	
Arsenic	**2.4**	1.0	1	B5G0678	07/31/2015	07/31/15 17:49	
Barium	**140**	1.0	1	B5G0678	07/31/2015	07/31/15 17:48	
Beryllium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:48	
Cadmium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:49	
Chromium	**5.3**	1.0	1	B5G0678	07/31/2015	07/31/15 17:49	
Cobalt	**2.4**	1.0	1	B5G0678	07/31/2015	07/31/15 17:49	
Copper	**3.0**	2.0	1	B5G0678	07/31/2015	07/31/15 17:48	
Lead	**3.1**	1.0	1	B5G0678	07/31/2015	07/31/15 17:49	
Molybdenum	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:49	
Nickel	**2.2**	1.0	1	B5G0678	07/31/2015	07/31/15 17:49	
Selenium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:49	
Silver	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:48	
Thallium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:49	
Vanadium	**16**	1.0	1	B5G0678	07/31/2015	07/31/15 17:48	
Zinc	**8.8**	1.0	1	B5G0678	07/31/2015	07/31/15 17:49	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0680	07/31/2015	07/31/15 16:20	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0691	07/24/2015	07/31/15 21:02	
Surrogate: 4-Bromofluorobenzene	*89.1 %*	*37 - 153*		B5G0691	07/24/2015	*07/31/15 21:02*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0657	07/30/2015	07/31/15 18:48	
ORO	ND	10	1	B5G0657	07/30/2015	07/31/15 18:48	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B9 / 5'
Lab ID: 1502586-31

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*97.7 %*	*49 - 142*		B5G0657	07/30/2015	*07/31/15 18:48*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD [2C]	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:32	
4,4´-DDE	**2.7**	2.0	1	B5G0652	07/30/2015	07/31/15 11:32	
4,4´-DDT	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:32	
Aldrin	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:32	
alpha-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:32	
alpha-Chlordane	**2.5**	1.0	1	B5G0652	07/30/2015	07/31/15 11:32	
beta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:32	
Chlordane	**22**	8.5	1	B5G0652	07/30/2015	07/31/15 11:32	
delta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:32	
Dieldrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:32	
Endosulfan I	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:32	
Endosulfan II	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:32	
Endosulfan sulfate	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:32	
Endrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:32	
Endrin aldehyde	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:32	
Endrin ketone	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:32	
gamma-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:32	
gamma-Chlordane [2C]	**2.4**	1.0	1	B5G0652	07/30/2015	07/31/15 11:32	
Heptachlor	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:32	
Heptachlor epoxide	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:32	
Methoxychlor	ND	5.0	1	B5G0652	07/30/2015	07/31/15 11:32	
Toxaphene	ND	50	1	B5G0652	07/30/2015	07/31/15 11:32	
Surrogate: Decachlorobiphenyl	*79.2 %*	*16 - 137*		B5G0652	07/30/2015	*07/31/15 11:32*	
Surrogate: Tetrachloro-m-xylene	*66.2 %*	*16 - 105*		B5G0652	07/30/2015	*07/31/15 11:32*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B9 / 5'

Lab ID: 1502586-31

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0652	07/30/2015	07/30/15 18:20	
Aroclor 1221	ND	16	1	B5G0652	07/30/2015	07/30/15 18:20	
Aroclor 1232	ND	16	1	B5G0652	07/30/2015	07/30/15 18:20	
Aroclor 1242	ND	16	1	B5G0652	07/30/2015	07/30/15 18:20	
Aroclor 1248	ND	16	1	B5G0652	07/30/2015	07/30/15 18:20	
Aroclor 1254	ND	16	1	B5G0652	07/30/2015	07/30/15 18:20	
Aroclor 1260	ND	16	1	B5G0652	07/30/2015	07/30/15 18:20	
Aroclor 1262	ND	16	1	B5G0652	07/30/2015	07/30/15 18:20	
Aroclor 1268	ND	16	1	B5G0652	07/30/2015	07/30/15 18:20	
Surrogate: Decachlorobiphenyl	*85.7 %*	*8 - 143*		B5G0652	07/30/2015	*07/30/15 18:20*	
Surrogate: Tetrachloro-m-xylene	*75.8 %*	*27 - 124*		B5G0652	07/30/2015	*07/30/15 18:20*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,1,1-Trichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,1,2-Trichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,1-Dichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,1-Dichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,1-Dichloropropene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,2,3-Trichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0554	07/27/2015	07/27/15 20:25	
1,2-Dibromoethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,2-Dichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,2-Dichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,2-Dichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,3-Dichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,3-Dichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
1,4-Dichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
2,2-Dichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B9 / 5'

Lab ID: 1502586-31

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
4-Chlorotoluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
4-Isopropyltoluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Benzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Bromobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Bromochloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Bromodichloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Bromoform	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Bromomethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Carbon disulfide	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Carbon tetrachloride	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Chlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Chloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Chloroform	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Chloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Di-isopropyl ether	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Dibromochloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Dibromomethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Dichlorodifluoromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Ethyl Acetate	ND	50	1	B5G0554	07/27/2015	07/27/15 20:25	
Ethyl Ether	ND	50	1	B5G0554	07/27/2015	07/27/15 20:25	
Ethyl tert-butyl ether	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Ethylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Freon-113	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Hexachlorobutadiene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Isopropylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
m,p-Xylene	ND	10	1	B5G0554	07/27/2015	07/27/15 20:25	
Methylene chloride	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
MTBE	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
n-Butylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
n-Propylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Naphthalene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
o-Xylene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
sec-Butylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Styrene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B9 / 5'

Lab ID: 1502586-31

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
tert-Butanol	ND	100	1	B5G0554	07/27/2015	07/27/15 20:25	
tert-Butylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Tetrachloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Toluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Trichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Trichlorofluoromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Vinyl acetate	ND	50	1	B5G0554	07/27/2015	07/27/15 20:25	
Vinyl chloride	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:25	
Surrogate: 1,2-Dichloroethane-d4	*97.6 %*	*20 - 189*		B5G0554	07/27/2015	*07/27/15 20:25*	
Surrogate: 4-Bromofluorobenzene	*87.9 %*	*20 - 173*		B5G0554	07/27/2015	*07/27/15 20:25*	
Surrogate: Dibromofluoromethane	*117 %*	*26 - 178*		B5G0554	07/27/2015	*07/27/15 20:25*	
Surrogate: Toluene-d8	*99.1 %*	*31 - 166*		B5G0554	07/27/2015	*07/27/15 20:25*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
1,2-Dichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
1,3-Dichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
1,4-Dichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
2,4,5-Trichlorophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
2,4,6-Trichlorophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
2,4-Dichlorophenol	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:10	
2,4-Dimethylphenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
2,4-Dinitrophenol	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:10	
2,4-Dinitrotoluene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
2,6-Dinitrotoluene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
2-Chloronaphthalene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
2-Chlorophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
2-Methylnaphthalene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
2-Methylphenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
2-Nitroaniline	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:10	
2-Nitrophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B9 / 5'

Lab ID: 1502586-31

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0666	07/31/2015	07/31/15 14:10	
3-Nitroaniline	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:10	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:10	
4-Bromophenyl-phenylether	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
4-Chloro-3-methylphenol	ND	660	1	B5G0666	07/31/2015	07/31/15 14:10	
4-Chloroaniline	ND	660	1	B5G0666	07/31/2015	07/31/15 14:10	
4-Chlorophenyl-phenylether	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
4-Methylphenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
4-Nitroaniline	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:10	
4-Nitrophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Acenaphthene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Acenaphthylene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Anthracene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Benzidine (M)	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:10	
Benzo(a)anthracene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Benzo(a)pyrene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Benzo(b)fluoranthene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Benzo(g,h,i)perylene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Benzo(k)fluoranthene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Benzoic acid	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:10	
Benzyl alcohol	ND	660	1	B5G0666	07/31/2015	07/31/15 14:10	
bis(2-chloroethoxy)methane	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
bis(2-Chloroethyl)ether	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Butylbenzylphthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Chrysene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Di-n-butylphthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Di-n-octylphthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Dibenz(a,h)anthracene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Dibenzofuran	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Diethyl phthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Dimethyl phthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Fluoranthene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Fluorene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Hexachlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Hexachlorobutadiene	ND	660	1	B5G0666	07/31/2015	07/31/15 14:10	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B9 / 5'

Lab ID: 1502586-31

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene		ND	660	1	B5G0666	07/31/2015	07/31/15 14:10	
Hexachloroethane		ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Indeno(1,2,3-cd)pyrene		ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Isophorone		ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
N-Nitroso-di-n propylamine		ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
N-Nitrosodiphenylamine		ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Naphthalene		ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Nitrobenzene		ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Pentachlorophenol		ND	1600	1	B5G0666	07/31/2015	07/31/15 14:10	
Phenanthrene		ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Phenol		ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Pyrene		ND	330	1	B5G0666	07/31/2015	07/31/15 14:10	
Pyridine		ND	1600	1	B5G0666	07/31/2015	07/31/15 14:10	
Surrogate: 1,2-Dichlorobenzene-d4	*57.5 %*		*24 - 114*		B5G0666	07/31/2015	*07/31/15 14:10*	
Surrogate: 2,4,6-Tribromophenol	*65.7 %*		*0 - 189*		B5G0666	07/31/2015	*07/31/15 14:10*	
Surrogate: 2-Chlorophenol-d4	*64.8 %*		*23 - 123*		B5G0666	07/31/2015	*07/31/15 14:10*	
Surrogate: 2-Fluorobiphenyl	*69.1 %*		*28 - 128*		B5G0666	07/31/2015	*07/31/15 14:10*	
Surrogate: 2-Fluorophenol	*62.7 %*		*8 - 138*		B5G0666	07/31/2015	*07/31/15 14:10*	
Surrogate: 4-Terphenyl-d14	*80.9 %*		*27 - 154*		B5G0666	07/31/2015	*07/31/15 14:10*	
Surrogate: Nitrobenzene-d5	*68.8 %*		*19 - 129*		B5G0666	07/31/2015	*07/31/15 14:10*	
Surrogate: Phenol-d5	*64.4 %*		*20 - 126*		B5G0666	07/31/2015	*07/31/15 14:10*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B9 / 10'
Lab ID: 1502586-32

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0678	07/31/2015	07/31/15 17:52	
Arsenic	**1.9**	1.0	1	B5G0678	07/31/2015	07/31/15 17:52	
Barium	**32**	1.0	1	B5G0678	07/31/2015	07/31/15 17:52	
Beryllium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:51	
Cadmium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:52	
Chromium	**12**	1.0	1	B5G0678	07/31/2015	07/31/15 17:52	
Cobalt	**3.0**	1.0	1	B5G0678	07/31/2015	07/31/15 17:52	
Copper	**11**	2.0	1	B5G0678	07/31/2015	07/31/15 17:52	
Lead	**20**	1.0	1	B5G0678	07/31/2015	07/31/15 17:52	
Molybdenum	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:52	
Nickel	**3.4**	1.0	1	B5G0678	07/31/2015	07/31/15 17:52	
Selenium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:52	
Silver	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:52	
Thallium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:52	
Vanadium	**29**	1.0	1	B5G0678	07/31/2015	07/31/15 17:52	
Zinc	**27**	1.0	1	B5G0678	07/31/2015	07/31/15 17:52	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0680	07/31/2015	07/31/15 16:22	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0691	07/24/2015	07/31/15 21:18	
Surrogate: 4-Bromofluorobenzene	*82.9 %*	*37 - 153*		B5G0691	07/24/2015	*07/31/15 21:18*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0657	07/30/2015	07/31/15 19:06	
ORO	ND	10	1	B5G0657	07/30/2015	07/31/15 19:06	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B9 / 10'

Lab ID: 1502586-32

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*102 %*	*49 - 142*		B5G0657	07/30/2015	*07/31/15 19:06*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:42	
4,4´-DDE	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:42	
4,4´-DDT	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:42	
Aldrin	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:42	
alpha-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:42	
alpha-Chlordane	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:42	
beta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:42	
Chlordane	ND	8.5	1	B5G0652	07/30/2015	07/31/15 11:42	
delta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:42	
Dieldrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:42	
Endosulfan I	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:42	
Endosulfan II	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:42	
Endosulfan sulfate	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:42	
Endrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:42	
Endrin aldehyde	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:42	
Endrin ketone	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:42	
gamma-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:42	
gamma-Chlordane	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:42	
Heptachlor	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:42	
Heptachlor epoxide	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:42	
Methoxychlor	ND	5.0	1	B5G0652	07/30/2015	07/31/15 11:42	
Toxaphene	ND	50	1	B5G0652	07/30/2015	07/31/15 11:42	
Surrogate: Decachlorobiphenyl	*73.8 %*	*16 - 137*		B5G0652	07/30/2015	*07/31/15 11:42*	
Surrogate: Tetrachloro-m-xylene	*60.3 %*	*16 - 105*		B5G0652	07/30/2015	*07/31/15 11:42*	

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San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B9 / 10'

Lab ID: 1502586-32

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0652	07/30/2015	07/30/15 18:38	
Aroclor 1221	ND	16	1	B5G0652	07/30/2015	07/30/15 18:38	
Aroclor 1232	ND	16	1	B5G0652	07/30/2015	07/30/15 18:38	
Aroclor 1242	ND	16	1	B5G0652	07/30/2015	07/30/15 18:38	
Aroclor 1248	ND	16	1	B5G0652	07/30/2015	07/30/15 18:38	
Aroclor 1254	ND	16	1	B5G0652	07/30/2015	07/30/15 18:38	
Aroclor 1260	ND	16	1	B5G0652	07/30/2015	07/30/15 18:38	
Aroclor 1262	ND	16	1	B5G0652	07/30/2015	07/30/15 18:38	
Aroclor 1268	ND	16	1	B5G0652	07/30/2015	07/30/15 18:38	
Surrogate: Decachlorobiphenyl	*85.2 %*	*8 - 143*		B5G0652	07/30/2015	*07/30/15 18:38*	
Surrogate: Tetrachloro-m-xylene	*74.4 %*	*27 - 124*		B5G0652	07/30/2015	*07/30/15 18:38*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,1,1-Trichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,1,2-Trichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,1-Dichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,1-Dichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,1-Dichloropropene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,2,3-Trichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0554	07/27/2015	07/27/15 20:44	
1,2-Dibromoethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,2-Dichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,2-Dichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,2-Dichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,3-Dichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,3-Dichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
1,4-Dichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
2,2-Dichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	

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Client Sample ID B9 / 10'

Lab ID: 1502586-32

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
4-Chlorotoluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
4-Isopropyltoluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Benzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Bromobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Bromochloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Bromodichloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Bromoform	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Bromomethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Carbon disulfide	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Carbon tetrachloride	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Chlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Chloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Chloroform	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Chloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Di-isopropyl ether	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Dibromochloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Dibromomethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Dichlorodifluoromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Ethyl Acetate	ND	50	1	B5G0554	07/27/2015	07/27/15 20:44	
Ethyl Ether	ND	50	1	B5G0554	07/27/2015	07/27/15 20:44	
Ethyl tert-butyl ether	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Ethylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Freon-113	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Hexachlorobutadiene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Isopropylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
m,p-Xylene	ND	10	1	B5G0554	07/27/2015	07/27/15 20:44	
Methylene chloride	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
MTBE	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
n-Butylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
n-Propylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Naphthalene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
o-Xylene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
sec-Butylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Styrene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B9 / 10'

Lab ID: 1502586-32

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
tert-Butanol	ND	100	1	B5G0554	07/27/2015	07/27/15 20:44	
tert-Butylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Tetrachloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Toluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Trichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Trichlorofluoromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Vinyl acetate	ND	50	1	B5G0554	07/27/2015	07/27/15 20:44	
Vinyl chloride	ND	5.0	1	B5G0554	07/27/2015	07/27/15 20:44	
Surrogate: 1,2-Dichloroethane-d4	*90.5 %*	*20 - 189*		B5G0554	07/27/2015	*07/27/15 20:44*	
Surrogate: 4-Bromofluorobenzene	*83.2 %*	*20 - 173*		B5G0554	07/27/2015	*07/27/15 20:44*	
Surrogate: Dibromofluoromethane	*113 %*	*26 - 178*		B5G0554	07/27/2015	*07/27/15 20:44*	
Surrogate: Toluene-d8	*98.4 %*	*31 - 166*		B5G0554	07/27/2015	*07/27/15 20:44*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
1,2-Dichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
1,3-Dichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
1,4-Dichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
2,4,5-Trichlorophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
2,4,6-Trichlorophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
2,4-Dichlorophenol	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:42	
2,4-Dimethylphenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
2,4-Dinitrophenol	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:42	
2,4-Dinitrotoluene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
2,6-Dinitrotoluene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
2-Chloronaphthalene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
2-Chlorophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
2-Methylnaphthalene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
2-Methylphenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
2-Nitroaniline	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:42	
2-Nitrophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B9 / 10'

Lab ID: 1502586-32

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0666	07/31/2015	07/31/15 13:42	
3-Nitroaniline	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:42	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:42	
4-Bromophenyl-phenylether	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
4-Chloro-3-methylphenol	ND	660	1	B5G0666	07/31/2015	07/31/15 13:42	
4-Chloroaniline	ND	660	1	B5G0666	07/31/2015	07/31/15 13:42	
4-Chlorophenyl-phenylether	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
4-Methylphenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
4-Nitroaniline	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:42	
4-Nitrophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Acenaphthene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Acenaphthylene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Anthracene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Benzidine (M)	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:42	
Benzo(a)anthracene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Benzo(a)pyrene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Benzo(b)fluoranthene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Benzo(g,h,i)perylene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Benzo(k)fluoranthene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Benzoic acid	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:42	
Benzyl alcohol	ND	660	1	B5G0666	07/31/2015	07/31/15 13:42	
bis(2-chloroethoxy)methane	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
bis(2-Chloroethyl)ether	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Butylbenzylphthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Chrysene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Di-n-butylphthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Di-n-octylphthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Dibenz(a,h)anthracene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Dibenzofuran	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Diethyl phthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Dimethyl phthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Fluoranthene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Fluorene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Hexachlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Hexachlorobutadiene	ND	660	1	B5G0666	07/31/2015	07/31/15 13:42	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B9 / 10'

Lab ID: 1502586-32

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0666	07/31/2015	07/31/15 13:42	
Hexachloroethane	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Isophorone	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
N-Nitroso-di-n propylamine	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
N-Nitrosodiphenylamine	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Naphthalene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Nitrobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Pentachlorophenol	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:42	
Phenanthrene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Phenol	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Pyrene	ND	330	1	B5G0666	07/31/2015	07/31/15 13:42	
Pyridine	ND	1600	1	B5G0666	07/31/2015	07/31/15 13:42	
Surrogate: 1,2-Dichlorobenzene-d4	*51.2 %*	*24 - 114*		B5G0666	07/31/2015	*07/31/15 13:42*	
Surrogate: 2,4,6-Tribromophenol	*66.4 %*	*0 - 189*		B5G0666	07/31/2015	*07/31/15 13:42*	
Surrogate: 2-Chlorophenol-d4	*57.7 %*	*23 - 123*		B5G0666	07/31/2015	*07/31/15 13:42*	
Surrogate: 2-Fluorobiphenyl	*68.5 %*	*28 - 128*		B5G0666	07/31/2015	*07/31/15 13:42*	
Surrogate: 2-Fluorophenol	*55.8 %*	*8 - 138*		B5G0666	07/31/2015	*07/31/15 13:42*	
Surrogate: 4-Terphenyl-d14	*81.7 %*	*27 - 154*		B5G0666	07/31/2015	*07/31/15 13:42*	
Surrogate: Nitrobenzene-d5	*63.0 %*	*19 - 129*		B5G0666	07/31/2015	*07/31/15 13:42*	
Surrogate: Phenol-d5	*58.1 %*	*20 - 126*		B5G0666	07/31/2015	*07/31/15 13:42*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B9 / 15'
Lab ID: 1502586-33

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5G0678	07/31/2015	07/31/15 17:55	
Arsenic	**2.2**	1.0	1	B5G0678	07/31/2015	07/31/15 17:55	
Barium	**36**	1.0	1	B5G0678	07/31/2015	07/31/15 17:55	
Beryllium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:54	
Cadmium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:55	
Chromium	**7.3**	1.0	1	B5G0678	07/31/2015	07/31/15 17:55	
Cobalt	**2.3**	1.0	1	B5G0678	07/31/2015	07/31/15 17:55	
Copper	**5.5**	2.0	1	B5G0678	07/31/2015	07/31/15 17:55	
Lead	**16**	1.0	1	B5G0678	07/31/2015	07/31/15 17:55	
Molybdenum	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:55	
Nickel	**3.0**	1.0	1	B5G0678	07/31/2015	07/31/15 17:55	
Selenium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:55	
Silver	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:55	
Thallium	ND	1.0	1	B5G0678	07/31/2015	07/31/15 17:55	
Vanadium	**15**	1.0	1	B5G0678	07/31/2015	07/31/15 17:55	
Zinc	**24**	1.0	1	B5G0678	07/31/2015	07/31/15 17:55	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5G0680	07/31/2015	07/31/15 16:24	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5G0691	07/24/2015	07/31/15 21:33	
Surrogate: 4-Bromofluorobenzene	*83.3 %*	*37 - 153*		B5G0691	07/24/2015	*07/31/15 21:33*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0657	07/30/2015	07/31/15 19:23	
ORO	ND	10	1	B5G0657	07/30/2015	07/31/15 19:23	

Certificate of Analysis

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San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B9 / 15'

Lab ID: 1502586-33

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*127 %*	*49 - 142*		B5G0657	07/30/2015	*07/31/15 19:23*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:53	
4,4´-DDE	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:53	
4,4´-DDT	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:53	
Aldrin	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:53	
alpha-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:53	
alpha-Chlordane	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:53	
beta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:53	
Chlordane	ND	8.5	1	B5G0652	07/30/2015	07/31/15 11:53	
delta-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:53	
Dieldrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:53	
Endosulfan I	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:53	
Endosulfan II	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:53	
Endosulfan sulfate	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:53	
Endrin	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:53	
Endrin aldehyde	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:53	
Endrin ketone	ND	2.0	1	B5G0652	07/30/2015	07/31/15 11:53	
gamma-BHC	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:53	
gamma-Chlordane	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:53	
Heptachlor	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:53	
Heptachlor epoxide	ND	1.0	1	B5G0652	07/30/2015	07/31/15 11:53	
Methoxychlor	ND	5.0	1	B5G0652	07/30/2015	07/31/15 11:53	
Toxaphene	ND	50	1	B5G0652	07/30/2015	07/31/15 11:53	
Surrogate: Decachlorobiphenyl	*87.4 %*	*16 - 137*		B5G0652	07/30/2015	*07/31/15 11:53*	
Surrogate: Tetrachloro-m-xylene	*65.5 %*	*16 - 105*		B5G0652	07/30/2015	*07/31/15 11:53*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B9 / 15'

Lab ID: 1502586-33

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5G0652	07/30/2015	07/30/15 18:57	
Aroclor 1221	ND	16	1	B5G0652	07/30/2015	07/30/15 18:57	
Aroclor 1232	ND	16	1	B5G0652	07/30/2015	07/30/15 18:57	
Aroclor 1242	ND	16	1	B5G0652	07/30/2015	07/30/15 18:57	
Aroclor 1248	ND	16	1	B5G0652	07/30/2015	07/30/15 18:57	
Aroclor 1254	ND	16	1	B5G0652	07/30/2015	07/30/15 18:57	
Aroclor 1260	ND	16	1	B5G0652	07/30/2015	07/30/15 18:57	
Aroclor 1262	ND	16	1	B5G0652	07/30/2015	07/30/15 18:57	
Aroclor 1268	ND	16	1	B5G0652	07/30/2015	07/30/15 18:57	
Surrogate: Decachlorobiphenyl	*91.8 %*	*8 - 143*		B5G0652	07/30/2015	*07/30/15 18:57*	
Surrogate: Tetrachloro-m-xylene	*73.7 %*	*27 - 124*		B5G0652	07/30/2015	*07/30/15 18:57*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,1,1-Trichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,1,2-Trichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,1-Dichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,1-Dichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,1-Dichloropropene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,2,3-Trichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0554	07/27/2015	07/27/15 21:02	
1,2-Dibromoethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,2-Dichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,2-Dichloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,2-Dichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,3-Dichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,3-Dichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
1,4-Dichlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
2,2-Dichloropropane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B9 / 15'

Lab ID: 1502586-33

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
4-Chlorotoluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
4-Isopropyltoluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Benzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Bromobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Bromochloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Bromodichloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Bromoform	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Bromomethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Carbon disulfide	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Carbon tetrachloride	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Chlorobenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Chloroethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Chloroform	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Chloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Di-isopropyl ether	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Dibromochloromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Dibromomethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Dichlorodifluoromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Ethyl Acetate	ND	50	1	B5G0554	07/27/2015	07/27/15 21:02	
Ethyl Ether	ND	50	1	B5G0554	07/27/2015	07/27/15 21:02	
Ethyl tert-butyl ether	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Ethylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Freon-113	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Hexachlorobutadiene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Isopropylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
m,p-Xylene	ND	10	1	B5G0554	07/27/2015	07/27/15 21:02	
Methylene chloride	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
MTBE	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
n-Butylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
n-Propylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Naphthalene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
o-Xylene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
sec-Butylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Styrene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Client Sample ID B9 / 15'

Lab ID: 1502586-33

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
tert-Butanol	ND	100	1	B5G0554	07/27/2015	07/27/15 21:02	
tert-Butylbenzene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Tetrachloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Toluene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Trichloroethene	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Trichlorofluoromethane	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Vinyl acetate	ND	50	1	B5G0554	07/27/2015	07/27/15 21:02	
Vinyl chloride	ND	5.0	1	B5G0554	07/27/2015	07/27/15 21:02	
Surrogate: 1,2-Dichloroethane-d4	*93.9 %*	*20 - 189*		B5G0554	07/27/2015	*07/27/15 21:02*	
Surrogate: 4-Bromofluorobenzene	*85.6 %*	*20 - 173*		B5G0554	07/27/2015	*07/27/15 21:02*	
Surrogate: Dibromofluoromethane	*114 %*	*26 - 178*		B5G0554	07/27/2015	*07/27/15 21:02*	
Surrogate: Toluene-d8	*97.8 %*	*31 - 166*		B5G0554	07/27/2015	*07/27/15 21:02*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
1,2-Dichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
1,3-Dichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
1,4-Dichlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
2,4,5-Trichlorophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
2,4,6-Trichlorophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
2,4-Dichlorophenol	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:38	
2,4-Dimethylphenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
2,4-Dinitrophenol	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:38	
2,4-Dinitrotoluene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
2,6-Dinitrotoluene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
2-Chloronaphthalene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
2-Chlorophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
2-Methylnaphthalene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
2-Methylphenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
2-Nitroaniline	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:38	
2-Nitrophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B9 / 15'

Lab ID: 1502586-33

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0666	07/31/2015	07/31/15 14:38	
3-Nitroaniline	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:38	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:38	
4-Bromophenyl-phenylether	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
4-Chloro-3-methylphenol	ND	660	1	B5G0666	07/31/2015	07/31/15 14:38	
4-Chloroaniline	ND	660	1	B5G0666	07/31/2015	07/31/15 14:38	
4-Chlorophenyl-phenylether	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
4-Methylphenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
4-Nitroaniline	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:38	
4-Nitrophenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Acenaphthene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Acenaphthylene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Anthracene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Benzidine (M)	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:38	
Benzo(a)anthracene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Benzo(a)pyrene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Benzo(b)fluoranthene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Benzo(g,h,i)perylene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Benzo(k)fluoranthene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Benzoic acid	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:38	
Benzyl alcohol	ND	660	1	B5G0666	07/31/2015	07/31/15 14:38	
bis(2-chloroethoxy)methane	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
bis(2-Chloroethyl)ether	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Butylbenzylphthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Chrysene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Di-n-butylphthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Di-n-octylphthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Dibenz(a,h)anthracene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Dibenzofuran	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Diethyl phthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Dimethyl phthalate	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Fluoranthene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Fluorene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Hexachlorobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Hexachlorobutadiene	ND	660	1	B5G0666	07/31/2015	07/31/15 14:38	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Client Sample ID B9 / 15'

Lab ID: 1502586-33

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0666	07/31/2015	07/31/15 14:38	
Hexachloroethane	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Isophorone	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
N-Nitroso-di-n propylamine	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
N-Nitrosodiphenylamine	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Naphthalene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Nitrobenzene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Pentachlorophenol	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:38	
Phenanthrene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Phenol	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Pyrene	ND	330	1	B5G0666	07/31/2015	07/31/15 14:38	
Pyridine	ND	1600	1	B5G0666	07/31/2015	07/31/15 14:38	
Surrogate: 1,2-Dichlorobenzene-d4	*52.8 %*	*24 - 114*		B5G0666	07/31/2015	*07/31/15 14:38*	
Surrogate: 2,4,6-Tribromophenol	*68.1 %*	*0 - 189*		B5G0666	07/31/2015	*07/31/15 14:38*	
Surrogate: 2-Chlorophenol-d4	*63.2 %*	*23 - 123*		B5G0666	07/31/2015	*07/31/15 14:38*	
Surrogate: 2-Fluorobiphenyl	*71.9 %*	*28 - 128*		B5G0666	07/31/2015	*07/31/15 14:38*	
Surrogate: 2-Fluorophenol	*59.1 %*	*8 - 138*		B5G0666	07/31/2015	*07/31/15 14:38*	
Surrogate: 4-Terphenyl-d14	*78.6 %*	*27 - 154*		B5G0666	07/31/2015	*07/31/15 14:38*	
Surrogate: Nitrobenzene-d5	*66.2 %*	*19 - 129*		B5G0666	07/31/2015	*07/31/15 14:38*	
Surrogate: Phenol-d5	*64.4 %*	*20 - 126*		B5G0666	07/31/2015	*07/31/15 14:38*	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0675 - EPA 3050B_S									
Blank (B5G0675-BLK1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
Arsenic	ND	1.0			NR				
LCS (B5G0675-BS1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
Arsenic	45.3548	1.0	50.0000		90.7	80 - 120			
Matrix Spike (B5G0675-MS1)		**Source: 1502586-08**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Arsenic	98.3533	1.0	124.378	4.62798	75.4	57 - 109			
Matrix Spike Dup (B5G0675-MSD1)		**Source: 1502586-08**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Arsenic	112.968	1.0	125.000	4.62798	86.7	57 - 109	13.8	20	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0677 - EPA 3050B_S									
Blank (B5G0677-BLK1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
Antimony	ND	2.0			NR				
Arsenic	ND	1.0			NR				
Barium	ND	1.0			NR				
Beryllium	ND	1.0			NR				
Cadmium	ND	1.0			NR				
Chromium	ND	1.0			NR				
Cobalt	ND	1.0			NR				
Copper	ND	2.0			NR				
Lead	ND	1.0			NR				
Molybdenum	ND	1.0			NR				
Nickel	ND	1.0			NR				
Selenium	ND	1.0			NR				
Silver	ND	1.0			NR				
Thallium	ND	1.0			NR				
Vanadium	ND	1.0			NR				
Zinc	ND	1.0			NR				
LCS (B5G0677-BS1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
Antimony	47.2361	2.0	50.0000		94.5	80 - 120			
Arsenic	46.1856	1.0	50.0000		92.4	80 - 120			
Barium	49.8941	1.0	50.0000		99.8	80 - 120			
Beryllium	49.3258	1.0	50.0000		98.7	80 - 120			
Cadmium	47.6091	1.0	50.0000		95.2	80 - 120			
Chromium	46.2443	1.0	50.0000		92.5	80 - 120			
Cobalt	48.5130	1.0	50.0000		97.0	80 - 120			
Copper	47.9375	2.0	50.0000		95.9	80 - 120			
Lead	48.3287	1.0	50.0000		96.7	80 - 120			
Molybdenum	49.1949	1.0	50.0000		98.4	80 - 120			
Nickel	48.2422	1.0	50.0000		96.5	80 - 120			
Selenium	44.6287	1.0	50.0000		89.3	80 - 120			
Silver	47.8038	1.0	50.0000		95.6	80 - 120			
Thallium	46.7211	1.0	50.0000		93.4	80 - 120			
Vanadium	49.1470	1.0	50.0000		98.3	80 - 120			
Zinc	46.2930	1.0	50.0000		92.6	80 - 120			
Matrix Spike (B5G0677-MS1)		**Source: 1502586-01**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Antimony	87.7997	2.0	125.000	ND	70.2	28 - 106			
Arsenic	104.721	1.0	125.000	3.34194	81.1	57 - 109			
Barium	184.965	1.0	125.000	127.335	46.1	18 - 159			
Beryllium	107.571	1.0	125.000	0.179055	85.9	61 - 107			
Cadmium	101.800	1.0	125.000	ND	81.4	53 - 104			
Chromium	104.834	1.0	125.000	6.57543	78.6	53 - 121			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0677 - EPA 3050B_S (continued)									
Matrix Spike (B5G0677-MS1) - Continued		**Source: 1502586-01**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Cobalt	106.647	1.0	125.000	1.84158	83.8	55 - 109			
Copper	119.928	2.0	125.000	7.55158	89.9	58 - 124			
Lead	110.811	1.0	125.000	6.63642	83.3	35 - 129			
Molybdenum	103.849	1.0	125.000	0.183258	82.9	57 - 108			
Nickel	105.686	1.0	125.000	2.18096	82.8	44 - 122			
Selenium	98.0750	1.0	125.000	ND	78.5	54 - 104			
Silver	109.040	1.0	125.000	ND	87.2	60 - 112			
Thallium	100.778	1.0	125.000	ND	80.6	50 - 103			
Vanadium	135.480	1.0	125.000	23.3603	89.7	54 - 123			
Zinc	120.322	1.0	125.000	16.0534	83.4	29 - 132			
Matrix Spike Dup (B5G0677-MSD1)		**Source: 1502586-01**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Antimony	91.8528	2.0	125.000	ND	73.5	28 - 106	4.51	20	
Arsenic	105.981	1.0	125.000	3.34194	82.1	57 - 109	1.20	20	
Barium	165.702	1.0	125.000	127.335	30.7	18 - 159	11.0	20	
Beryllium	111.472	1.0	125.000	0.179055	89.0	61 - 107	3.56	20	
Cadmium	103.420	1.0	125.000	ND	82.7	53 - 104	1.58	20	
Chromium	104.751	1.0	125.000	6.57543	78.5	53 - 121	0.0793	20	
Cobalt	107.729	1.0	125.000	1.84158	84.7	55 - 109	1.01	20	
Copper	118.127	2.0	125.000	7.55158	88.5	58 - 124	1.51	20	
Lead	109.972	1.0	125.000	6.63642	82.7	35 - 129	0.760	20	
Molybdenum	106.200	1.0	125.000	0.183258	84.8	57 - 108	2.24	20	
Nickel	106.672	1.0	125.000	2.18096	83.6	44 - 122	0.928	20	
Selenium	99.7676	1.0	125.000	ND	79.8	54 - 104	1.71	20	
Silver	110.218	1.0	125.000	ND	88.2	60 - 112	1.07	20	
Thallium	102.895	1.0	125.000	ND	82.3	50 - 103	2.08	20	
Vanadium	132.218	1.0	125.000	23.3603	87.1	54 - 123	2.44	20	
Zinc	117.008	1.0	125.000	16.0534	80.8	29 - 132	2.79	20	
Batch B5G0678 - EPA 3050B_S									
Blank (B5G0678-BLK1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
Antimony	ND	2.0			NR				
Arsenic	ND	1.0			NR				
Barium	ND	1.0			NR				
Beryllium	ND	1.0			NR				
Cadmium	ND	1.0			NR				
Chromium	ND	1.0			NR				
Cobalt	ND	1.0			NR				
Copper	ND	2.0			NR				
Lead	ND	1.0			NR				

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0678 - EPA 3050B_S (continued)									
Blank (B5G0678-BLK1) - Continued					Prepared: 7/31/2015 Analyzed: 7/31/2015				
Molybdenum	ND	1.0			NR				
Nickel	ND	1.0			NR				
Selenium	ND	1.0			NR				
Silver	ND	1.0			NR				
Thallium	ND	1.0			NR				
Vanadium	ND	1.0			NR				
Zinc	ND	1.0			NR				
LCS (B5G0678-BS1)					Prepared: 7/31/2015 Analyzed: 7/31/2015				
Antimony	47.3158	2.0	50.0000		94.6	80 - 120			
Arsenic	46.4305	1.0	50.0000		92.9	80 - 120			
Barium	50.3602	1.0	50.0000		101	80 - 120			
Beryllium	49.7908	1.0	50.0000		99.6	80 - 120			
Cadmium	47.6062	1.0	50.0000		95.2	80 - 120			
Chromium	46.8376	1.0	50.0000		93.7	80 - 120			
Cobalt	49.0083	1.0	50.0000		98.0	80 - 120			
Copper	48.6620	2.0	50.0000		97.3	80 - 120			
Lead	48.3769	1.0	50.0000		96.8	80 - 120			
Molybdenum	49.1867	1.0	50.0000		98.4	80 - 120			
Nickel	48.7101	1.0	50.0000		97.4	80 - 120			
Selenium	44.3656	1.0	50.0000		88.7	80 - 120			
Silver	48.5359	1.0	50.0000		97.1	80 - 120			
Thallium	46.8648	1.0	50.0000		93.7	80 - 120			
Vanadium	49.6673	1.0	50.0000		99.3	80 - 120			
Zinc	46.1056	1.0	50.0000		92.2	80 - 120			
Matrix Spike (B5G0678-MS1)		**Source: 1502586-28**			Prepared: 7/31/2015 Analyzed: 7/31/2015				
Antimony	76.7797	2.0	125.000	ND	61.4	28 - 106			
Arsenic	98.3172	1.0	125.000	0.725156	78.1	57 - 109			
Barium	188.992	1.0	125.000	85.2826	83.0	18 - 159			
Beryllium	104.961	1.0	125.000	0.551860	83.5	61 - 107			
Cadmium	96.3675	1.0	125.000	ND	77.1	53 - 104			
Chromium	103.694	1.0	125.000	7.59568	76.9	53 - 121			
Cobalt	105.988	1.0	125.000	6.40576	79.7	55 - 109			
Copper	138.719	2.0	125.000	24.6916	91.2	58 - 124			
Lead	98.9224	1.0	125.000	1.65802	77.8	35 - 129			
Molybdenum	100.847	1.0	125.000	ND	80.7	57 - 108			
Nickel	102.281	1.0	125.000	3.82729	78.8	44 - 122			
Selenium	93.2109	1.0	125.000	ND	74.6	54 - 104			
Silver	107.948	1.0	125.000	ND	86.4	60 - 112			
Thallium	92.9633	1.0	125.000	ND	74.4	50 - 103			
Vanadium	169.326	1.0	125.000	51.3794	94.4	54 - 123			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0678 - EPA 3050B_S (continued)									
Matrix Spike (B5G0678-MS1) - Continued		**Source: 1502586-28**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Zinc	118.987	1.0	125.000	23.8496	76.1	29 - 132			
Matrix Spike Dup (B5G0678-MSD1)		**Source: 1502586-28**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Antimony	80.7525	2.0	125.000	ND	64.6	28 - 106	5.04	20	
Arsenic	101.053	1.0	125.000	0.725156	80.3	57 - 109	2.74	20	
Barium	178.628	1.0	125.000	85.2826	74.7	18 - 159	5.64	20	
Beryllium	107.085	1.0	125.000	0.551860	85.2	61 - 107	2.00	20	
Cadmium	98.6842	1.0	125.000	ND	78.9	53 - 104	2.38	20	
Chromium	108.386	1.0	125.000	7.59568	80.6	53 - 121	4.42	20	
Cobalt	108.562	1.0	125.000	6.40576	81.7	55 - 109	2.40	20	
Copper	140.917	2.0	125.000	24.6916	93.0	58 - 124	1.57	20	
Lead	101.714	1.0	125.000	1.65802	80.0	35 - 129	2.78	20	
Molybdenum	103.845	1.0	125.000	ND	83.1	57 - 108	2.93	20	
Nickel	105.347	1.0	125.000	3.82729	81.2	44 - 122	2.95	20	
Selenium	95.5110	1.0	125.000	ND	76.4	54 - 104	2.44	20	
Silver	110.162	1.0	125.000	ND	88.1	60 - 112	2.03	20	
Thallium	95.5088	1.0	125.000	ND	76.4	50 - 103	2.70	20	
Vanadium	171.921	1.0	125.000	51.3794	96.4	54 - 123	1.52	20	
Zinc	121.112	1.0	125.000	23.8496	77.8	29 - 132	1.77	20	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0679 - EPA 7471_S									
Blank (B5G0679-BLK1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
Mercury	ND	0.10			NR				
LCS (B5G0679-BS1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
Mercury	0.882102	0.10	0.833333		106	80 - 120			
Matrix Spike (B5G0679-MS1)		**Source: 1502586-01**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Mercury	0.826674	0.10	0.833333	ND	99.2	70 - 130			
Matrix Spike Dup (B5G0679-MSD1)		**Source: 1502586-01**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Mercury	0.794996	0.10	0.833333	ND	95.4	70 - 130	3.91	20	
Post Spike (B5G0679-PS1)		**Source: 1502586-01**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Mercury	0.005162		5.00000E-3	0.000037	103	85 - 115			
Batch B5G0680 - EPA 7471_S									
Blank (B5G0680-BLK1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
Mercury	ND	0.10			NR				
LCS (B5G0680-BS1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
Mercury	0.851838	0.10	0.833333		102	80 - 120			
Matrix Spike (B5G0680-MS1)		**Source: 1502586-28**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Mercury	0.840489	0.10	0.833333	ND	101	70 - 130			
Matrix Spike Dup (B5G0680-MSD1)		**Source: 1502586-28**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Mercury	0.858257	0.10	0.847458	ND	101	70 - 130	2.09	20	
Post Spike (B5G0680-PS1)		**Source: 1502586-28**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Mercury	0.005511		5.00000E-3	0.000045	109	85 - 115			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0670 - GCVOA_S									
Blank (B5G0670-BLK1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
Gasoline Range Organics	ND	1.0			NR				
Surrogate: 4-Bromofluorobenzene	*0.1964*		*0.200000*		*98.2*	*37 - 153*			
LCS (B5G0670-BS1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
Gasoline Range Organics	4.43400	1.0	5.00000		88.7	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.2205*		*0.200000*		*110*	*37 - 153*			
Matrix Spike (B5G0670-MS1)		**Source: 1502635-02**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Gasoline Range Organics	4.69700	1.0	5.00000	ND	93.9	20 - 130			
Surrogate: 4-Bromofluorobenzene	*0.1919*		*0.200000*		*95.9*	*37 - 153*			
Matrix Spike Dup (B5G0670-MSD1)		**Source: 1502635-02**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Gasoline Range Organics	3.87600	1.0	5.00000	ND	77.5	20 - 130	19.2	20	
Surrogate: 4-Bromofluorobenzene	*0.1839*		*0.200000*		*91.9*	*37 - 153*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0691 - GCVOA_S									
Blank (B5G0691-BLK1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
Gasoline Range Organics	ND	1.0			NR				
Surrogate: 4-Bromofluorobenzene	*0.1939*		*0.200000*		*97.0*	*37 - 153*			

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0691 - GCVOA_S (continued)									
LCS (B5G0691-BS1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
Gasoline Range Organics	5.94500	1.0	5.00000		119	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.2040*		*0.200000*		*102*	*37 - 153*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0691 - GCVOA_S (continued)									
Matrix Spike (B5G0691-MS1)		**Source: 1502586-04**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Gasoline Range Organics	4.52700	1.0	5.00000	ND	90.5	20 - 130			
Surrogate: 4-Bromofluorobenzene	*0.1777*		*0.200000*		*88.9*	*37 - 153*			

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0691 - GCVOA_S (continued)									
Matrix Spike Dup (B5G0691-MSD1)		**Source: 1502586-04**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Gasoline Range Organics	4.43700	1.0	5.00000	ND	88.7	20 - 130	2.01	20	
Surrogate: 4-Bromofluorobenzene	*0.1751*		*0.200000*		*87.6*	*37 - 153*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Diesel Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0648 - GCSEMI_DRO_S									
Blank (B5G0648-BLK1)				Prepared: 7/30/2015 Analyzed: 7/31/2015					
DRO	ND	10			NR				
ORO	ND	10			NR				
Surrogate: p-Terphenyl	*108.9*		*80.0000*		*136*	*49 - 142*			

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Diesel Range Organics by EPA 8015B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0648 - GCSEMI_DRO_S (continued)									
LCS (B5G0648-BS1)				Prepared: 7/30/2015 Analyzed: 7/31/2015					
DRO	929.340	10	1000.00		92.9	48 - 155			
Surrogate: p-Terphenyl	*107.9*		*80.0000*		*135*	*49 - 142*			

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Diesel Range Organics by EPA 8015B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0648 - GCSEMI_DRO_S (continued)									
Matrix Spike (B5G0648-MS1)		**Source: 1502586-10**		Prepared: 7/30/2015 Analyzed: 7/31/2015					
DRO	852.940	10	1000.00	ND	85.3	30 - 173			
Surrogate: p-Terphenyl	*107.4*		*80.0000*		*134*	*49 - 142*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Diesel Range Organics by EPA 8015B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0648 - GCSEMI_DRO_S (continued)									
Matrix Spike Dup (B5G0648-MSD1)		**Source: 1502586-10**		Prepared: 7/30/2015 Analyzed: 7/31/2015					
DRO	909.980	10	1000.00	ND	91.0	30 - 173	6.47	20	
Surrogate: p-Terphenyl	*111.4*		*80.0000*		*139*	*49 - 142*			

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Diesel Range Organics by EPA 8015B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0657 - GCSEMI_DRO_S									
Blank (B5G0657-BLK1)				Prepared: 7/30/2015 Analyzed: 7/31/2015					
DRO	ND	10			NR				
ORO	ND	10			NR				
Surrogate: p-Terphenyl	*81.71*		*80.0000*		*102*	*49 - 142*			

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Diesel Range Organics by EPA 8015B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0657 - GCSEMI_DRO_S (continued)									
LCS (B5G0657-BS1)				Prepared: 7/30/2015 Analyzed: 7/31/2015					
DRO	903.770	10	1000.00		90.4	48 - 155			
Surrogate: p-Terphenyl	*108.3*		*80.0000*		*135*	*49 - 142*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Diesel Range Organics by EPA 8015B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0657 - GCSEMI_DRO_S (continued)									
Matrix Spike (B5G0657-MS1)		**Source: 1502635-02**		Prepared: 7/30/2015 Analyzed: 7/31/2015					
DRO	818.620	10	1000.00	ND	81.9	30 - 173			
Surrogate: p-Terphenyl	*95.38*		*80.0000*		*119*	*49 - 142*			

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Diesel Range Organics by EPA 8015B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0657 - GCSEMI_DRO_S (continued)									
Matrix Spike Dup (B5G0657-MSD1)		**Source: 1502635-02**		Prepared: 7/30/2015 Analyzed: 7/31/2015					
DRO	877.280	10	1000.00	ND	87.7	30 - 173	6.92	20	
Surrogate: p-Terphenyl	*103.7*		*80.0000*		*130*	*49 - 142*			

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0623 - GCSEMI_PCB/PEST_S									
Blank (B5G0623-BLK1)				Prepared: 7/29/2015 Analyzed: 7/30/2015					
4,4´-DDD	ND	2.0			NR				
4,4´-DDD [2C]	ND	2.0			NR				
4,4´-DDE	ND	2.0			NR				
4,4´-DDE [2C]	ND	2.0			NR				
4,4´-DDT	ND	2.0			NR				
4,4´-DDT [2C]	ND	2.0			NR				
Aldrin	ND	1.0			NR				
Aldrin [2C]	ND	1.0			NR				
alpha-BHC	ND	1.0			NR				
alpha-BHC [2C]	ND	1.0			NR				
alpha-Chlordane	ND	1.0			NR				
alpha-Chlordane [2C]	ND	1.0			NR				
beta-BHC	ND	1.0			NR				
beta-BHC [2C]	ND	1.0			NR				
Chlordane	ND	8.5			NR				
Chlordane [2C]	ND	8.5			NR				
delta-BHC	ND	1.0			NR				
delta-BHC [2C]	ND	1.0			NR				
Dieldrin	ND	2.0			NR				
Dieldrin [2C]	ND	2.0			NR				
Endosulfan I	ND	1.0			NR				
Endosulfan I [2C]	ND	1.0			NR				
Endosulfan II	ND	2.0			NR				
Endosulfan II [2C]	ND	2.0			NR				
Endosulfan sulfate	ND	2.0			NR				
Endosulfan Sulfate [2C]	ND	2.0			NR				
Endrin	ND	2.0			NR				
Endrin [2C]	ND	2.0			NR				
Endrin aldehyde	ND	2.0			NR				
Endrin aldehyde [2C]	ND	2.0			NR				
Endrin ketone	ND	2.0			NR				
Endrin ketone [2C]	ND	2.0			NR				
gamma-BHC	ND	1.0			NR				
gamma-BHC [2C]	ND	1.0			NR				
gamma-Chlordane	ND	1.0			NR				
gamma-Chlordane [2C]	ND	1.0			NR				
Heptachlor	ND	1.0			NR				
Heptachlor [2C]	ND	1.0			NR				
Heptachlor epoxide	ND	1.0			NR				
Heptachlor epoxide [2C]	ND	1.0			NR				
Methoxychlor	ND	5.0			NR				

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0623 - GCSEMI_PCB/PEST_S (continued)									
Blank (B5G0623-BLK1) - Continued				Prepared: 7/29/2015 Analyzed: 7/30/2015					
Methoxychlor [2C]	ND	5.0			NR				
Toxaphene	ND	50			NR				
Toxaphene [2C]	ND	50			NR				
Surrogate: Decachlorobiphenyl	*13.97*		*16.6667*		*83.8*	*16 - 137*			
Surrogate: Decachlorobiphenyl [2C]	*13.08*		*16.6667*		*78.5*	*16 - 137*			
Surrogate: Tetrachloro-m-xylene	*14.27*		*16.6667*		*85.6*	*16 - 105*			
Surrogate: Tetrachloro-m-xylene [2C]	*13.65*		*16.6667*		*81.9*	*16 - 105*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0623 - GCSEMI_PCB/PEST_S (continued)									
LCS (B5G0623-BS1)				Prepared: 7/29/2015 Analyzed: 7/30/2015					
4,4´-DDD	13.2540	2.0	16.6667		79.5	58 - 100			
4,4´-DDD [2C]	12.7462	2.0	16.6667		76.5	58 - 100			
4,4´-DDE	13.3127	2.0	16.6667		79.9	65 - 99			
4,4´-DDE [2C]	13.0508	2.0	16.6667		78.3	65 - 99			
4,4´-DDT	8.24267	2.0	16.6667		49.5	39 - 116			
4,4´-DDT [2C]	9.73667	2.0	16.6667		58.4	39 - 116			
Aldrin	12.8612	1.0	16.6667		77.2	57 - 94			
Aldrin [2C]	12.7375	1.0	16.6667		76.4	57 - 94			
alpha-BHC	12.6083	1.0	16.6667		75.6	58 - 84			
alpha-BHC [2C]	12.5110	1.0	16.6667		75.1	58 - 84			
alpha-Chlordane	12.9247	1.0	16.6667		77.5	58 - 96			
alpha-Chlordane [2C]	12.9777	1.0	16.6667		77.9	58 - 96			
beta-BHC	11.8145	1.0	16.6667		70.9	58 - 87			
beta-BHC [2C]	12.1320	1.0	16.6667		72.8	58 - 87			
delta-BHC	13.0747	1.0	16.6667		78.4	18 - 75			L3
delta-BHC [2C]	13.1000	1.0	16.6667		78.6	18 - 75			L3
Dieldrin	13.3080	2.0	16.6667		79.8	62 - 94			
Dieldrin [2C]	12.6512	2.0	16.6667		75.9	62 - 94			
Endosulfan I	12.4827	1.0	16.6667		74.9	58 - 90			
Endosulfan I [2C]	12.3782	1.0	16.6667		74.3	58 - 90			
Endosulfan II	12.8948	2.0	16.6667		77.4	63 - 95			
Endosulfan II [2C]	12.6933	2.0	16.6667		76.2	63 - 95			
Endosulfan sulfate	15.2038	2.0	16.6667		91.2	59 - 89			L3
Endosulfan Sulfate [2C]	13.2853	2.0	16.6667		79.7	59 - 89			
Endrin	13.2025	2.0	16.6667		79.2	64 - 96			
Endrin [2C]	11.8918	2.0	16.6667		71.4	64 - 96			
Endrin aldehyde	15.6363	2.0	16.6667		93.8	65 - 95			
Endrin aldehyde [2C]	13.1117	2.0	16.6667		78.7	65 - 95			
Endrin ketone	13.6912	2.0	16.6667		82.1	59 - 101			
Endrin ketone [2C]	13.0957	2.0	16.6667		78.6	59 - 101			
gamma-BHC	12.7655	1.0	16.6667		76.6	63 - 89			
gamma-BHC [2C]	12.9730	1.0	16.6667		77.8	63 - 89			
gamma-Chlordane	13.0762	1.0	16.6667		78.5	61 - 95			
gamma-Chlordane [2C]	12.8008	1.0	16.6667		76.8	61 - 95			
Heptachlor	11.9225	1.0	16.6667		71.5	65 - 102			
Heptachlor [2C]	12.7035	1.0	16.6667		76.2	65 - 102			
Heptachlor epoxide	13.0288	1.0	16.6667		78.2	61 - 95			
Heptachlor epoxide [2C]	12.9488	1.0	16.6667		77.7	61 - 95			
Methoxychlor	8.74417	5.0	16.6667		52.5	29 - 128			
Methoxychlor [2C]	9.23483	5.0	16.6667		55.4	29 - 128			
Surrogate: Decachlorobiphenyl	*12.25*		*16.6667*		*73.5*	*16 - 137*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0623 - GCSEMI_PCB/PEST_S (continued)									
LCS (B5G0623-BS1) - Continued					Prepared: 7/29/2015 Analyzed: 7/30/2015				
Surrogate: Decachlorobiphenyl [2C]	*11.62*		*16.6667*		*69.7*	*16 - 137*			
Surrogate: Tetrachloro-m-xylene	*12.23*		*16.6667*		*73.4*	*16 - 105*			
Surrogate: Tetrachloro-m-xylene [2C]	*11.90*		*16.6667*		*71.4*	*16 - 105*			

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0623 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike (B5G0623-MS1)		**Source: 1502586-08**		Prepared: 7/29/2015 Analyzed: 7/30/2015					
4,4´-DDD	17.6137	2.0	16.6667	ND	106	27 - 123			
4,4´-DDD [2C]	16.7478	2.0	16.6667	ND	100	27 - 123			
4,4´-DDE	17.8803	2.0	16.6667	ND	107	28 - 126			
4,4´-DDE [2C]	16.9962	2.0	16.6667	ND	102	28 - 126			
4,4´-DDT	13.2273	2.0	16.6667	ND	79.4	12 - 149			
4,4´-DDT [2C]	13.2175	2.0	16.6667	ND	79.3	12 - 149			
Aldrin	16.3338	1.0	16.6667	ND	98.0	29 - 116			
Aldrin [2C]	15.8807	1.0	16.6667	ND	95.3	29 - 116			
alpha-BHC	15.7905	1.0	16.6667	ND	94.7	27 - 104			
alpha-BHC [2C]	15.4803	1.0	16.6667	ND	92.9	27 - 104			
alpha-Chlordane	17.0880	1.0	16.6667	ND	103	14 - 130			
alpha-Chlordane [2C]	16.7742	1.0	16.6667	ND	101	14 - 130			
beta-BHC	15.6332	1.0	16.6667	ND	93.8	20 - 115			
beta-BHC [2C]	15.4547	1.0	16.6667	ND	92.7	20 - 115			
delta-BHC	17.4048	1.0	16.6667	ND	104	8 - 78			M7
delta-BHC [2C]	16.3803	1.0	16.6667	ND	98.3	8 - 78			M7
Dieldrin	17.8392	2.0	16.6667	ND	107	20 - 134			
Dieldrin [2C]	16.3627	2.0	16.6667	ND	98.2	20 - 134			
Endosulfan I	16.3477	1.0	16.6667	ND	98.1	27 - 114			
Endosulfan I [2C]	15.8483	1.0	16.6667	ND	95.1	27 - 114			
Endosulfan II	17.3918	2.0	16.6667	ND	104	16 - 125			
Endosulfan II [2C]	16.7360	2.0	16.6667	ND	100	16 - 125			
Endosulfan sulfate	20.7963	2.0	16.6667	ND	125	1 - 126			
Endosulfan Sulfate [2C]	17.5597	2.0	16.6667	ND	105	1 - 126			
Endrin	17.7930	2.0	16.6667	ND	107	33 - 122			
Endrin [2C]	16.1305	2.0	16.6667	ND	96.8	33 - 122			
Endrin aldehyde	19.3995	2.0	16.6667	ND	116	0 - 137			
Endrin aldehyde [2C]	16.0623	2.0	16.6667	ND	96.4	0 - 137			
Endrin ketone	19.0968	2.0	16.6667	ND	115	10 - 126			
Endrin ketone [2C]	17.2923	2.0	16.6667	ND	104	10 - 126			
gamma-BHC	16.5013	1.0	16.6667	ND	99.0	30 - 111			
gamma-BHC [2C]	16.5377	1.0	16.6667	ND	99.2	30 - 111			
gamma-Chlordane	17.0742	1.0	16.6667	ND	102	16 - 130			
gamma-Chlordane [2C]	16.4602	1.0	16.6667	ND	98.8	16 - 130			
Heptachlor	15.6738	1.0	16.6667	ND	94.0	34 - 127			
Heptachlor [2C]	16.0540	1.0	16.6667	ND	96.3	34 - 127			
Heptachlor epoxide	16.9363	1.0	16.6667	ND	102	19 - 130			
Heptachlor epoxide [2C]	16.4045	1.0	16.6667	ND	98.4	19 - 130			
Methoxychlor	13.9640	5.0	16.6667	ND	83.8	16 - 153			
Methoxychlor [2C]	14.2163	5.0	16.6667	ND	85.3	16 - 153			
Surrogate: Decachlorobiphenyl	*14.85*		*16.6667*		*89.1*	*16 - 137*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0623 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike (B5G0623-MS1) - Continued			**Source: 1502586-08**		Prepared: 7/29/2015 Analyzed: 7/30/2015				
Surrogate: Decachlorobiphenyl [2C]	*14.07*		*16.6667*		*84.4*	*16 - 137*			
Surrogate: Tetrachloro-m-xylene	*14.01*		*16.6667*		*84.1*	*16 - 105*			
Surrogate: Tetrachloro-m-xylene [2C]	*14.35*		*16.6667*		*86.1*	*16 - 105*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0623 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike Dup (B5G0623-MSD1)		**Source: 1502586-08**		Prepared: 7/29/2015 Analyzed: 7/30/2015					
4,4´-DDD	16.9855	2.0	16.6667	ND	102	27 - 123	3.63	20	
4,4´-DDD [2C]	16.4547	2.0	16.6667	ND	98.7	27 - 123	1.77	20	
4,4´-DDE	17.0590	2.0	16.6667	ND	102	28 - 126	4.70	20	
4,4´-DDE [2C]	16.6383	2.0	16.6667	ND	99.8	28 - 126	2.13	20	
4,4´-DDT	12.9000	2.0	16.6667	ND	77.4	12 - 149	2.51	20	
4,4´-DDT [2C]	13.0840	2.0	16.6667	ND	78.5	12 - 149	1.02	20	
Aldrin	15.6235	1.0	16.6667	ND	93.7	29 - 116	4.45	20	
Aldrin [2C]	15.5033	1.0	16.6667	ND	93.0	29 - 116	2.40	20	
alpha-BHC	15.0482	1.0	16.6667	ND	90.3	27 - 104	4.81	20	
alpha-BHC [2C]	15.1580	1.0	16.6667	ND	90.9	27 - 104	2.10	20	
alpha-Chlordane	16.3012	1.0	16.6667	ND	97.8	14 - 130	4.71	20	
alpha-Chlordane [2C]	16.3355	1.0	16.6667	ND	98.0	14 - 130	2.65	20	
beta-BHC	15.0035	1.0	16.6667	ND	90.0	20 - 115	4.11	20	
beta-BHC [2C]	15.1730	1.0	16.6667	ND	91.0	20 - 115	1.84	20	
delta-BHC	16.7045	1.0	16.6667	ND	100	8 - 78	4.11	20	M7
delta-BHC [2C]	15.9495	1.0	16.6667	ND	95.7	8 - 78	2.67	20	M7
Dieldrin	16.8250	2.0	16.6667	ND	101	20 - 134	5.85	20	
Dieldrin [2C]	16.0415	2.0	16.6667	ND	96.2	20 - 134	1.98	20	
Endosulfan I	15.5845	1.0	16.6667	ND	93.5	27 - 114	4.78	20	
Endosulfan I [2C]	15.4503	1.0	16.6667	ND	92.7	27 - 114	2.54	20	
Endosulfan II	16.7593	2.0	16.6667	ND	101	16 - 125	3.70	20	
Endosulfan II [2C]	16.4660	2.0	16.6667	ND	98.8	16 - 125	1.63	20	
Endosulfan sulfate	19.9930	2.0	16.6667	ND	120	1 - 126	3.94	20	
Endosulfan Sulfate [2C]	17.2663	2.0	16.6667	ND	104	1 - 126	1.68	20	
Endrin	17.2793	2.0	16.6667	ND	104	33 - 122	2.93	20	
Endrin [2C]	15.8652	2.0	16.6667	ND	95.2	33 - 122	1.66	20	
Endrin aldehyde	18.7178	2.0	16.6667	ND	112	0 - 137	3.58	20	
Endrin aldehyde [2C]	15.7407	2.0	16.6667	ND	94.4	0 - 137	2.02	20	
Endrin ketone	18.4573	2.0	16.6667	ND	111	10 - 126	3.41	20	
Endrin ketone [2C]	17.0522	2.0	16.6667	ND	102	10 - 126	1.40	20	
gamma-BHC	15.8023	1.0	16.6667	ND	94.8	30 - 111	4.33	20	
gamma-BHC [2C]	16.2055	1.0	16.6667	ND	97.2	30 - 111	2.03	20	
gamma-Chlordane	16.3115	1.0	16.6667	ND	97.9	16 - 130	4.57	20	
gamma-Chlordane [2C]	16.0107	1.0	16.6667	ND	96.1	16 - 130	2.77	20	
Heptachlor	15.1408	1.0	16.6667	ND	90.8	34 - 127	3.46	20	
Heptachlor [2C]	15.6967	1.0	16.6667	ND	94.2	34 - 127	2.25	20	
Heptachlor epoxide	16.1655	1.0	16.6667	ND	97.0	19 - 130	4.66	20	
Heptachlor epoxide [2C]	15.9312	1.0	16.6667	ND	95.6	19 - 130	2.93	20	
Methoxychlor	13.7238	5.0	16.6667	ND	82.3	16 - 153	1.73	20	
Methoxychlor [2C]	14.2082	5.0	16.6667	ND	85.2	16 - 153	0.0574	20	
Surrogate: Decachlorobiphenyl	*15.29*		*16.6667*		*91.8*	*16 - 137*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0623 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike Dup (B5G0623-MSD1) - Continued			**Source: 1502586-08**		Prepared: 7/29/2015 Analyzed: 7/30/2015				
Surrogate: Decachlorobiphenyl [2C]	*14.01*		*16.6667*		*84.0*	*16 - 137*			
Surrogate: Tetrachloro-m-xylene	*13.39*		*16.6667*		*80.3*	*16 - 105*			
Surrogate: Tetrachloro-m-xylene [2C]	*14.03*		*16.6667*		*84.2*	*16 - 105*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0652 - GCSEMI_PCB/PEST_S									
Blank (B5G0652-BLK1)				Prepared: 7/30/2015 Analyzed: 7/31/2015					
4,4´-DDD	ND	2.0			NR				
4,4´-DDD [2C]	ND	2.0			NR				
4,4´-DDE	ND	2.0			NR				
4,4´-DDE [2C]	ND	2.0			NR				
4,4´-DDT	ND	2.0			NR				
4,4´-DDT [2C]	ND	2.0			NR				
Aldrin	ND	1.0			NR				
Aldrin [2C]	ND	1.0			NR				
alpha-BHC	ND	1.0			NR				
alpha-BHC [2C]	ND	1.0			NR				
alpha-Chlordane	ND	1.0			NR				
alpha-Chlordane [2C]	ND	1.0			NR				
beta-BHC	ND	1.0			NR				
beta-BHC [2C]	ND	1.0			NR				
Chlordane	ND	8.5			NR				
Chlordane [2C]	ND	8.5			NR				
delta-BHC	ND	1.0			NR				
delta-BHC [2C]	ND	1.0			NR				
Dieldrin	ND	2.0			NR				
Dieldrin [2C]	ND	2.0			NR				
Endosulfan I	ND	1.0			NR				
Endosulfan I [2C]	ND	1.0			NR				
Endosulfan II	ND	2.0			NR				
Endosulfan II [2C]	ND	2.0			NR				
Endosulfan sulfate	ND	2.0			NR				
Endosulfan Sulfate [2C]	ND	2.0			NR				
Endrin	ND	2.0			NR				
Endrin [2C]	ND	2.0			NR				
Endrin aldehyde	ND	2.0			NR				
Endrin aldehyde [2C]	ND	2.0			NR				
Endrin ketone	ND	2.0			NR				
Endrin ketone [2C]	ND	2.0			NR				
gamma-BHC	ND	1.0			NR				
gamma-BHC [2C]	ND	1.0			NR				
gamma-Chlordane	ND	1.0			NR				
gamma-Chlordane [2C]	ND	1.0			NR				
Heptachlor	ND	1.0			NR				
Heptachlor [2C]	ND	1.0			NR				
Heptachlor epoxide	ND	1.0			NR				
Heptachlor epoxide [2C]	ND	1.0			NR				
Methoxychlor	ND	5.0			NR				

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0652 - GCSEMI_PCB/PEST_S (continued)									
Blank (B5G0652-BLK1) - Continued				Prepared: 7/30/2015 Analyzed: 7/31/2015					
Methoxychlor [2C]	ND	5.0			NR				
Toxaphene	ND	50			NR				
Toxaphene [2C]	ND	50			NR				
Surrogate: Decachlorobiphenyl	*13.00*		*16.6667*		*78.0*	*16 - 137*			
Surrogate: Decachlorobiphenyl [2C]	*12.65*		*16.6667*		*75.9*	*16 - 137*			
Surrogate: Tetrachloro-m-xylene	*12.10*		*16.6667*		*72.6*	*16 - 105*			
Surrogate: Tetrachloro-m-xylene [2C]	*13.26*		*16.6667*		*79.6*	*16 - 105*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0652 - GCSEMI_PCB/PEST_S (continued)									
LCS (B5G0652-BS1)				Prepared: 7/30/2015 Analyzed: 7/31/2015					
4,4´-DDD	13.7770	2.0	16.6667		82.7	58 - 100			
4,4´-DDD [2C]	13.9090	2.0	16.6667		83.5	58 - 100			
4,4´-DDE	14.8867	2.0	16.6667		89.3	65 - 99			
4,4´-DDE [2C]	16.0075	2.0	16.6667		96.0	65 - 99			
4,4´-DDT	11.2682	2.0	16.6667		67.6	39 - 116			
4,4´-DDT [2C]	7.37767	2.0	16.6667		44.3	39 - 116			
Aldrin	13.8943	1.0	16.6667		83.4	57 - 94			
Aldrin [2C]	15.4843	1.0	16.6667		92.9	57 - 94			
alpha-BHC	13.4877	1.0	16.6667		80.9	58 - 84			
alpha-BHC [2C]	15.0182	1.0	16.6667		90.1	58 - 84			L3
alpha-Chlordane	14.0403	1.0	16.6667		84.2	58 - 96			
alpha-Chlordane [2C]	15.6062	1.0	16.6667		93.6	58 - 96			
beta-BHC	13.0492	1.0	16.6667		78.3	58 - 87			
beta-BHC [2C]	13.6480	1.0	16.6667		81.9	58 - 87			
delta-BHC	13.5575	1.0	16.6667		81.3	18 - 75			L3
delta-BHC [2C]	14.9043	1.0	16.6667		89.4	18 - 75			L3
Dieldrin	13.9538	2.0	16.6667		83.7	62 - 94			
Dieldrin [2C]	15.1935	2.0	16.6667		91.2	62 - 94			
Endosulfan I	13.2545	1.0	16.6667		79.5	58 - 90			
Endosulfan I [2C]	14.9312	1.0	16.6667		89.6	58 - 90			
Endosulfan II	13.5412	2.0	16.6667		81.2	63 - 95			
Endosulfan II [2C]	14.5355	2.0	16.6667		87.2	63 - 95			
Endosulfan sulfate	10.4950	2.0	16.6667		63.0	59 - 89			
Endosulfan Sulfate [2C]	11.2822	2.0	16.6667		67.7	59 - 89			
Endrin	13.9402	2.0	16.6667		83.6	64 - 96			
Endrin [2C]	14.8145	2.0	16.6667		88.9	64 - 96			
Endrin aldehyde	14.0652	2.0	16.6667		84.4	65 - 95			
Endrin aldehyde [2C]	15.5457	2.0	16.6667		93.3	65 - 95			
Endrin ketone	12.5368	2.0	16.6667		75.2	59 - 101			
Endrin ketone [2C]	11.6245	2.0	16.6667		69.7	59 - 101			
gamma-BHC	13.7690	1.0	16.6667		82.6	63 - 89			
gamma-BHC [2C]	14.7493	1.0	16.6667		88.5	63 - 89			
gamma-Chlordane	14.0132	1.0	16.6667		84.1	61 - 95			
gamma-Chlordane [2C]	15.4327	1.0	16.6667		92.6	61 - 95			
Heptachlor	13.7060	1.0	16.6667		82.2	65 - 102			
Heptachlor [2C]	13.3678	1.0	16.6667		80.2	65 - 102			
Heptachlor epoxide	14.0638	1.0	16.6667		84.4	61 - 95			
Heptachlor epoxide [2C]	15.4723	1.0	16.6667		92.8	61 - 95			
Methoxychlor	10.0660	5.0	16.6667		60.4	29 - 128			
Methoxychlor [2C]	5.43883	5.0	16.6667		32.6	29 - 128			
Surrogate: Decachlorobiphenyl	*14.74*		*16.6667*		*88.5*	*16 - 137*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0652 - GCSEMI_PCB/PEST_S (continued)									
LCS (B5G0652-BS1) - Continued					Prepared: 7/30/2015 Analyzed: 7/31/2015				
Surrogate: Decachlorobiphenyl [2C]	*14.69*		*16.6667*		*88.1*	*16 - 137*			
Surrogate: Tetrachloro-m-xylene	*13.48*		*16.6667*		*80.9*	*16 - 105*			
Surrogate: Tetrachloro-m-xylene [2C]	*15.11*		*16.6667*		*90.6*	*16 - 105*			

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0652 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike (B5G0652-MS1)		**Source: 1502586-31**		Prepared: 7/30/2015 Analyzed: 7/31/2015					
4,4´-DDD	13.3830	2.0	16.6667	1.25033	72.8	27 - 123			
4,4´-DDD [2C]	14.2672	2.0	16.6667	0.600333	82.0	27 - 123			
4,4´-DDE	15.2923	2.0	16.6667	2.71967	75.4	28 - 126			
4,4´-DDE [2C]	16.9922	2.0	16.6667	2.64767	86.1	28 - 126			
4,4´-DDT	12.2777	2.0	16.6667	0.832833	68.7	12 - 149			
4,4´-DDT [2C]	9.17000	2.0	16.6667	0.475333	52.2	12 - 149			
Aldrin	13.3868	1.0	16.6667	ND	80.3	29 - 116			
Aldrin [2C]	15.0990	1.0	16.6667	ND	90.6	29 - 116			
alpha-BHC	11.4005	1.0	16.6667	ND	68.4	27 - 104			
alpha-BHC [2C]	13.9082	1.0	16.6667	ND	83.4	27 - 104			
alpha-Chlordane	14.2295	1.0	16.6667	2.46300	70.6	14 - 130			
alpha-Chlordane [2C]	17.0563	1.0	16.6667	3.26667	82.7	14 - 130			
beta-BHC	11.1707	1.0	16.6667	ND	67.0	20 - 115			
beta-BHC [2C]	12.1672	1.0	16.6667	ND	73.0	20 - 115			
delta-BHC	11.0863	1.0	16.6667	ND	66.5	8 - 78			
delta-BHC [2C]	12.5987	1.0	16.6667	ND	75.6	8 - 78			
Dieldrin	12.6888	2.0	16.6667	ND	76.1	20 - 134			
Dieldrin [2C]	13.9638	2.0	16.6667	ND	83.8	20 - 134			
Endosulfan I	12.4185	1.0	16.6667	ND	74.5	27 - 114			
Endosulfan I [2C]	14.0310	1.0	16.6667	ND	84.2	27 - 114			
Endosulfan II	10.9837	2.0	16.6667	ND	65.9	16 - 125			
Endosulfan II [2C]	11.8347	2.0	16.6667	ND	71.0	16 - 125			
Endosulfan sulfate	7.22050	2.0	16.6667	ND	43.3	1 - 126			
Endosulfan Sulfate [2C]	7.93983	2.0	16.6667	ND	47.6	1 - 126			
Endrin	13.0595	2.0	16.6667	ND	78.4	33 - 122			
Endrin [2C]	14.2843	2.0	16.6667	ND	85.7	33 - 122			
Endrin aldehyde	8.39150	2.0	16.6667	ND	50.3	0 - 137			
Endrin aldehyde [2C]	8.41617	2.0	16.6667	ND	50.5	0 - 137			
Endrin ketone	9.35450	2.0	16.6667	ND	56.1	10 - 126			
Endrin ketone [2C]	9.22267	2.0	16.6667	ND	55.3	10 - 126			
gamma-BHC	11.7680	1.0	16.6667	ND	70.6	30 - 111			
gamma-BHC [2C]	13.1438	1.0	16.6667	ND	78.9	30 - 111			
gamma-Chlordane	13.8183	1.0	16.6667	2.12917	70.1	16 - 130			
gamma-Chlordane [2C]	15.5785	1.0	16.6667	2.36067	79.3	16 - 130			
Heptachlor	13.1513	1.0	16.6667	ND	78.9	34 - 127			
Heptachlor [2C]	13.4692	1.0	16.6667	ND	80.8	34 - 127			
Heptachlor epoxide	12.8247	1.0	16.6667	ND	76.9	19 - 130			
Heptachlor epoxide [2C]	14.1687	1.0	16.6667	ND	85.0	19 - 130			
Methoxychlor	8.82900	5.0	16.6667	ND	53.0	16 - 153			
Methoxychlor [2C]	5.39483	5.0	16.6667	ND	32.4	16 - 153			
Surrogate: Decachlorobiphenyl	*14.74*		*16.6667*		*88.5*	*16 - 137*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0652 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike (B5G0652-MS1) - Continued			**Source: 1502586-31**		Prepared: 7/30/2015 Analyzed: 7/31/2015				
Surrogate: Decachlorobiphenyl [2C]	*15.02*		*16.6667*		*90.1*	*16 - 137*			
Surrogate: Tetrachloro-m-xylene	*11.41*		*16.6667*		*68.5*	*16 - 105*			
Surrogate: Tetrachloro-m-xylene [2C]	*13.40*		*16.6667*		*80.4*	*16 - 105*			

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0652 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike Dup (B5G0652-MSD1)		**Source: 1502586-31**		Prepared: 7/30/2015 Analyzed: 7/31/2015					
4,4´-DDD	13.4588	2.0	16.6667	1.25033	73.3	27 - 123	0.565	20	
4,4´-DDD [2C]	14.4593	2.0	16.6667	0.600333	83.2	27 - 123	1.34	20	
4,4´-DDE	15.1112	2.0	16.6667	2.71967	74.3	28 - 126	1.19	20	
4,4´-DDE [2C]	16.7573	2.0	16.6667	2.64767	84.7	28 - 126	1.39	20	
4,4´-DDT	12.6228	2.0	16.6667	0.832833	70.7	12 - 149	2.77	20	
4,4´-DDT [2C]	9.53300	2.0	16.6667	0.475333	54.3	12 - 149	3.88	20	
Aldrin	13.4302	1.0	16.6667	ND	80.6	29 - 116	0.323	20	
Aldrin [2C]	15.1597	1.0	16.6667	ND	91.0	29 - 116	0.401	20	
alpha-BHC	11.6598	1.0	16.6667	ND	70.0	27 - 104	2.25	20	
alpha-BHC [2C]	14.2767	1.0	16.6667	ND	85.7	27 - 104	2.61	20	
alpha-Chlordane	14.2542	1.0	16.6667	2.46300	70.7	14 - 130	0.173	20	
alpha-Chlordane [2C]	17.1172	1.0	16.6667	3.26667	83.1	14 - 130	0.356	20	
beta-BHC	11.4467	1.0	16.6667	ND	68.7	20 - 115	2.44	20	
beta-BHC [2C]	12.4428	1.0	16.6667	ND	74.7	20 - 115	2.24	20	
delta-BHC	11.5552	1.0	16.6667	ND	69.3	8 - 78	4.14	20	
delta-BHC [2C]	13.1388	1.0	16.6667	ND	78.8	8 - 78	4.20	20	M7
Dieldrin	12.7517	2.0	16.6667	ND	76.5	20 - 134	0.494	20	
Dieldrin [2C]	14.0960	2.0	16.6667	ND	84.6	20 - 134	0.942	20	
Endosulfan I	12.3845	1.0	16.6667	ND	74.3	27 - 114	0.274	20	
Endosulfan I [2C]	13.9957	1.0	16.6667	ND	84.0	27 - 114	0.252	20	
Endosulfan II	11.0900	2.0	16.6667	ND	66.5	16 - 125	0.963	20	
Endosulfan II [2C]	11.9537	2.0	16.6667	ND	71.7	16 - 125	1.00	20	
Endosulfan sulfate	7.46050	2.0	16.6667	ND	44.8	1 - 126	3.27	20	
Endosulfan Sulfate [2C]	8.35467	2.0	16.6667	ND	50.1	1 - 126	5.09	20	
Endrin	13.1673	2.0	16.6667	ND	79.0	33 - 122	0.822	20	
Endrin [2C]	14.4347	2.0	16.6667	ND	86.6	33 - 122	1.05	20	
Endrin aldehyde	8.34850	2.0	16.6667	ND	50.1	0 - 137	0.514	20	
Endrin aldehyde [2C]	8.44500	2.0	16.6667	ND	50.7	0 - 137	0.342	20	
Endrin ketone	9.58733	2.0	16.6667	ND	57.5	10 - 126	2.46	20	
Endrin ketone [2C]	9.52133	2.0	16.6667	ND	57.1	10 - 126	3.19	20	
gamma-BHC	12.1135	1.0	16.6667	ND	72.7	30 - 111	2.89	20	
gamma-BHC [2C]	13.5137	1.0	16.6667	ND	81.1	30 - 111	2.77	20	
gamma-Chlordane	13.9095	1.0	16.6667	2.12917	70.7	16 - 130	0.658	20	
gamma-Chlordane [2C]	15.7145	1.0	16.6667	2.36067	80.1	16 - 130	0.869	20	
Heptachlor	13.3537	1.0	16.6667	ND	80.1	34 - 127	1.53	20	
Heptachlor [2C]	13.6817	1.0	16.6667	ND	82.1	34 - 127	1.57	20	
Heptachlor epoxide	12.9413	1.0	16.6667	ND	77.6	19 - 130	0.906	20	
Heptachlor epoxide [2C]	14.2928	1.0	16.6667	ND	85.8	19 - 130	0.872	20	
Methoxychlor	9.35300	5.0	16.6667	ND	56.1	16 - 153	5.76	20	
Methoxychlor [2C]	5.77983	5.0	16.6667	ND	34.7	16 - 153	6.89	20	
Surrogate: Decachlorobiphenyl	*14.58*		*16.6667*		*87.5*	*16 - 137*			

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0652 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike Dup (B5G0652-MSD1) - Continued			**Source: 1502586-31**		Prepared: 7/30/2015 Analyzed: 7/31/2015				
Surrogate: Decachlorobiphenyl [2C]	*14.52*		*16.6667*		*87.1*	*16 - 137*			
Surrogate: Tetrachloro-m-xylene	*11.56*		*16.6667*		*69.4*	*16 - 105*			
Surrogate: Tetrachloro-m-xylene [2C]	*13.54*		*16.6667*		*81.2*	*16 - 105*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0623 - GCSEMI_PCB/PEST_S									
Blank (B5G0623-BLK2)				Prepared: 7/29/2015 Analyzed: 7/30/2015					
Aroclor 1016	ND	16			NR				
Aroclor 1221	ND	16			NR				
Aroclor 1232	ND	16			NR				
Aroclor 1242	ND	16			NR				
Aroclor 1248	ND	16			NR				
Aroclor 1254	ND	16			NR				
Aroclor 1260	ND	16			NR				
Aroclor 1262	ND	16			NR				
Aroclor 1268	ND	16			NR				
Surrogate: Decachlorobiphenyl	*14.58*		*16.6667*		*87.5*	*8 - 143*			
Surrogate: Tetrachloro-m-xylene	*12.44*		*16.6667*		*74.6*	*27 - 124*			

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0623 - GCSEMI_PCB/PEST_S (continued)									
LCS (B5G0623-BS2)				Prepared: 7/29/2015 Analyzed: 7/30/2015					
Aroclor 1016	127.737	16	166.667		76.6	67 - 87			
Aroclor 1260	130.352	16	166.667		78.2	71 - 112			
Surrogate: Decachlorobiphenyl	*12.96*		*16.6667*		*77.8*	*8 - 143*			
Surrogate: Tetrachloro-m-xylene	*10.91*		*16.6667*		*65.4*	*27 - 124*			

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0623 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike (B5G0623-MS2)		**Source: 1502586-10**		Prepared: 7/29/2015 Analyzed: 7/30/2015					
Aroclor 1016	140.536	16	166.667	ND	84.3	26 - 129			
Aroclor 1260	144.956	16	166.667	ND	87.0	34 - 147			
Surrogate: Decachlorobiphenyl	*14.72*		*16.6667*		*88.3*	*8 - 143*			
Surrogate: Tetrachloro-m-xylene	*12.38*		*16.6667*		*74.3*	*27 - 124*			

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0623 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike Dup (B5G0623-MSD2)		**Source: 1502586-10**		Prepared: 7/29/2015 Analyzed: 7/30/2015					
Aroclor 1016	142.328	16	166.667	ND	85.4	26 - 129	1.27	20	
Aroclor 1260	147.342	16	166.667	ND	88.4	34 - 147	1.63	20	
Surrogate: Decachlorobiphenyl	*14.55*		*16.6667*		*87.3*	*8 - 143*			
Surrogate: Tetrachloro-m-xylene	*12.05*		*16.6667*		*72.3*	*27 - 124*			

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0652 - GCSEMI_PCB/PEST_S									
Blank (B5G0652-BLK2)				Prepared: 7/30/2015 Analyzed: 7/30/2015					
Aroclor 1016	ND	16			NR				
Aroclor 1221	ND	16			NR				
Aroclor 1232	ND	16			NR				
Aroclor 1242	ND	16			NR				
Aroclor 1248	ND	16			NR				
Aroclor 1254	ND	16			NR				
Aroclor 1260	ND	16			NR				
Aroclor 1262	ND	16			NR				
Aroclor 1268	ND	16			NR				
Surrogate: Decachlorobiphenyl	*11.85*		*16.6667*		*71.1*	*8 - 143*			
Surrogate: Tetrachloro-m-xylene	*10.61*		*16.6667*		*63.7*	*27 - 124*			

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0652 - GCSEMI_PCB/PEST_S (continued)									
LCS (B5G0652-BS2)				Prepared: 7/30/2015 Analyzed: 7/30/2015					
Aroclor 1016	125.640	16	166.667		75.4	67 - 87			
Aroclor 1260	130.400	16	166.667		78.2	71 - 112			
Surrogate: Decachlorobiphenyl	*11.85*		*16.6667*		*71.1*	*8 - 143*			
Surrogate: Tetrachloro-m-xylene	*10.59*		*16.6667*		*63.5*	*27 - 124*			

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0652 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike (B5G0652-MS2)		**Source: 1502586-21**		Prepared: 7/30/2015 Analyzed: 7/30/2015					
Aroclor 1016	145.903	16	166.667	ND	87.5	26 - 129			
Aroclor 1260	147.861	16	166.667	ND	88.7	34 - 147			
Surrogate: Decachlorobiphenyl	*13.70*		*16.6667*		*82.2*	*8 - 143*			
Surrogate: Tetrachloro-m-xylene	*12.83*		*16.6667*		*77.0*	*27 - 124*			

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San Diego , CA 92121		Reported :	08/03/2015

Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0652 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike Dup (B5G0652-MSD2)		**Source: 1502586-21**		Prepared: 7/30/2015 Analyzed: 7/30/2015					
Aroclor 1016	144.512	16	166.667	ND	86.7	26 - 129	0.958	20	
Aroclor 1260	146.707	16	166.667	ND	88.0	34 - 147	0.784	20	
Surrogate: Decachlorobiphenyl	*13.69*		*16.6667*		*82.2*	*8 - 143*			
Surrogate: Tetrachloro-m-xylene	*12.76*		*16.6667*		*76.6*	*27 - 124*			

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0516 - MSVOA_S									
Blank (B5G0516-BLK1)				Prepared: 7/27/2015 Analyzed: 7/27/2015					
1,1,1,2-Tetrachloroethane	ND	5.0			NR				
1,1,1-Trichloroethane	ND	5.0			NR				
1,1,2,2-Tetrachloroethane	ND	5.0			NR				
1,1,2-Trichloroethane	ND	5.0			NR				
1,1-Dichloroethane	ND	5.0			NR				
1,1-Dichloroethene	ND	5.0			NR				
1,1-Dichloropropene	ND	5.0			NR				
1,2,3-Trichloropropane	ND	5.0			NR				
1,2,3-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trimethylbenzene	ND	5.0			NR				
1,2-Dibromo-3-chloropropane	ND	10			NR				
1,2-Dibromoethane	ND	5.0			NR				
1,2-Dichlorobenzene	ND	5.0			NR				
1,2-Dichloroethane	ND	5.0			NR				
1,2-Dichloropropane	ND	5.0			NR				
1,3,5-Trimethylbenzene	ND	5.0			NR				
1,3-Dichlorobenzene	ND	5.0			NR				
1,3-Dichloropropane	ND	5.0			NR				
1,4-Dichlorobenzene	ND	5.0			NR				
2,2-Dichloropropane	ND	5.0			NR				
2-Chlorotoluene	ND	5.0			NR				
4-Chlorotoluene	ND	5.0			NR				
4-Isopropyltoluene	ND	5.0			NR				
Benzene	ND	5.0			NR				
Bromobenzene	ND	5.0			NR				
Bromochloromethane	ND	5.0			NR				
Bromodichloromethane	ND	5.0			NR				
Bromoform	ND	5.0			NR				
Bromomethane	ND	5.0			NR				
Carbon disulfide	ND	5.0			NR				
Carbon tetrachloride	ND	5.0			NR				
Chlorobenzene	ND	5.0			NR				
Chloroethane	ND	5.0			NR				
Chloroform	ND	5.0			NR				
Chloromethane	ND	5.0			NR				
cis-1,2-Dichloroethene	ND	5.0			NR				
cis-1,3-Dichloropropene	ND	5.0			NR				
Di-isopropyl ether	ND	5.0			NR				
Dibromochloromethane	ND	5.0			NR				
Dibromomethane	ND	5.0			NR				

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0516 - MSVOA_S (continued)									
Blank (B5G0516-BLK1) - Continued				Prepared: 7/27/2015 Analyzed: 7/27/2015					
Dichlorodifluoromethane	ND	5.0			NR				
Ethyl Acetate	ND	50			NR				
Ethyl Ether	ND	50			NR				
Ethyl tert-butyl ether	ND	5.0			NR				
Ethylbenzene	ND	5.0			NR				
Freon-113	ND	5.0			NR				
Hexachlorobutadiene	ND	5.0			NR				
Isopropylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
Methylene chloride	ND	5.0			NR				
MTBE	ND	5.0			NR				
n-Butylbenzene	ND	5.0			NR				
n-Propylbenzene	ND	5.0			NR				
Naphthalene	ND	5.0			NR				
o-Xylene	ND	5.0			NR				
sec-Butylbenzene	ND	5.0			NR				
Styrene	ND	5.0			NR				
tert-Amyl methyl ether	ND	5.0			NR				
tert-Butanol	ND	100			NR				
tert-Butylbenzene	ND	5.0			NR				
Tetrachloroethene	ND	5.0			NR				
Toluene	ND	5.0			NR				
trans-1,2-Dichloroethene	ND	5.0			NR				
trans-1,3-Dichloropropene	ND	5.0			NR				
Trichloroethene	ND	5.0			NR				
Trichlorofluoromethane	ND	5.0			NR				
Vinyl acetate	ND	50			NR				
Vinyl chloride	ND	5.0			NR				
Surrogate: 1,2-Dichloroethane-d4	*41.15*		*50.0000*		*82.3*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*44.33*		*50.0000*		*88.7*	*20 - 173*			
Surrogate: Dibromofluoromethane	*50.86*		*50.0000*		*102*	*26 - 178*			
Surrogate: Toluene-d8	*49.15*		*50.0000*		*98.3*	*31 - 166*			

Certificate of Analysis

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San Diego , CA 92121	Reported :	08/03/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0516 - MSVOA_S (continued)									
LCS (B5G0516-BS1)				Prepared: 7/27/2015 Analyzed: 7/27/2015					
1,1,1,2-Tetrachloroethane	53.8900	5.0	50.0000		108	74 - 117			
1,1,1-Trichloroethane	44.1400	5.0	50.0000		88.3	65 - 130			
1,1,2,2-Tetrachloroethane	54.9200	5.0	50.0000		110	63 - 123			
1,1,2-Trichloroethane	49.4800	5.0	50.0000		99.0	66 - 122			
1,1-Dichloroethane	41.2600	5.0	50.0000		82.5	65 - 124			
1,1-Dichloroethene	40.0500	5.0	50.0000		80.1	60 - 130			
1,1-Dichloropropene	49.0400	5.0	50.0000		98.1	75 - 121			
1,2,3-Trichloropropane	54.6300	5.0	50.0000		109	62 - 126			
1,2,3-Trichlorobenzene	52.1000	5.0	50.0000		104	72 - 120			
1,2,4-Trichlorobenzene	52.6600	5.0	50.0000		105	75 - 121			
1,2,4-Trimethylbenzene	51.1900	5.0	50.0000		102	82 - 118			
1,2-Dibromo-3-chloropropane	51.9100	10	50.0000		104	67 - 121			
1,2-Dibromoethane	52.5400	5.0	50.0000		105	69 - 123			
1,2-Dichlorobenzene	53.6000	5.0	50.0000		107	81 - 114			
1,2-Dichloroethane	44.5400	5.0	50.0000		89.1	71 - 119			
1,2-Dichloropropane	47.6100	5.0	50.0000		95.2	71 - 118			
1,3,5-Trimethylbenzene	52.5700	5.0	50.0000		105	81 - 120			
1,3-Dichlorobenzene	54.2700	5.0	50.0000		109	80 - 115			
1,3-Dichloropropane	50.9000	5.0	50.0000		102	77 - 117			
1,4-Dichlorobenzene	53.4900	5.0	50.0000		107	80 - 115			
2,2-Dichloropropane	43.1800	5.0	50.0000		86.4	58 - 141			
2-Chlorotoluene	53.9000	5.0	50.0000		108	78 - 120			
4-Chlorotoluene	52.7000	5.0	50.0000		105	79 - 119			
4-Isopropyltoluene	53.4500	5.0	50.0000		107	81 - 125			
Benzene	91.6900	5.0	100.000		91.7	73 - 116			
Bromobenzene	53.4100	5.0	50.0000		107	78 - 115			
Bromochloromethane	42.3900	5.0	50.0000		84.8	66 - 121			
Bromodichloromethane	48.0200	5.0	50.0000		96.0	73 - 120			
Bromoform	55.1100	5.0	50.0000		110	68 - 124			
Bromomethane	45.2700	5.0	50.0000		90.5	26 - 163			
Carbon disulfide	33.0200	5.0	50.0000		66.0	43 - 142			
Carbon tetrachloride	51.6400	5.0	50.0000		103	67 - 130			
Chlorobenzene	52.1800	5.0	50.0000		104	82 - 114			
Chloroethane	37.8100	5.0	50.0000		75.6	40 - 151			
Chloroform	43.7300	5.0	50.0000		87.5	68 - 124			
Chloromethane	26.4900	5.0	50.0000		53.0	18 - 144			
cis-1,2-Dichloroethene	42.5700	5.0	50.0000		85.1	66 - 125			
cis-1,3-Dichloropropene	49.7500	5.0	50.0000		99.5	77 - 120			
Di-isopropyl ether	42.5600	5.0	50.0000		85.1	56 - 132			
Dibromochloromethane	51.0800	5.0	50.0000		102	76 - 118			
Dibromomethane	46.5600	5.0	50.0000		93.1	69 - 122			

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0516 - MSVOA_S (continued)									
LCS (B5G0516-BS1) - Continued				Prepared: 7/27/2015 Analyzed: 7/27/2015					
Dichlorodifluoromethane	30.1300	5.0	50.0000		60.3	0 - 155			
Ethyl Acetate	476.120	50	500.000		95.2	31 - 137			
Ethyl Ether	375.370	50	500.000		75.1	47 - 150			
Ethyl tert-butyl ether	43.3900	5.0	50.0000		86.8	63 - 134			
Ethylbenzene	97.3500	5.0	100.000		97.4	79 - 115			
Freon-113	44.2400	5.0	50.0000		88.5	62 - 134			
Hexachlorobutadiene	58.1400	5.0	50.0000		116	71 - 121			
Isopropylbenzene	57.8000	5.0	50.0000		116	78 - 126			
m,p-Xylene	94.0000	10	100.000		94.0	80 - 119			
Methylene chloride	43.6600	5.0	50.0000		87.3	56 - 129			
MTBE	40.7400	5.0	50.0000		81.5	61 - 124			
n-Butylbenzene	57.3400	5.0	50.0000		115	78 - 127			
n-Propylbenzene	57.1700	5.0	50.0000		114	77 - 128			
Naphthalene	54.8100	5.0	50.0000		110	61 - 141			
o-Xylene	91.9600	5.0	100.000		92.0	81 - 116			
sec-Butylbenzene	56.2300	5.0	50.0000		112	81 - 125			
Styrene	50.5200	5.0	50.0000		101	82 - 120			
tert-Amyl methyl ether	42.8100	5.0	50.0000		85.6	52 - 149			
tert-Butanol	169.380	100	250.000		67.8	26 - 160			
tert-Butylbenzene	56.1400	5.0	50.0000		112	80 - 123			
Tetrachloroethene	54.6100	5.0	50.0000		109	75 - 123			
Toluene	96.3900	5.0	100.000		96.4	75 - 119			
trans-1,2-Dichloroethene	42.9000	5.0	50.0000		85.8	62 - 127			
trans-1,3-Dichloropropene	51.2400	5.0	50.0000		102	68 - 121			
Trichloroethene	50.1900	5.0	50.0000		100	73 - 119			
Trichlorofluoromethane	40.5200	5.0	50.0000		81.0	47 - 157			
Vinyl acetate	464.310	50	500.000		92.9	20 - 136			
Vinyl chloride	32.7600	5.0	50.0000		65.5	27 - 147			
Surrogate: 1,2-Dichloroethane-d4	*43.70*		*50.0000*		*87.4*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*45.92*		*50.0000*		*91.8*	*20 - 173*			
Surrogate: Dibromofluoromethane	*50.05*		*50.0000*		*100*	*26 - 178*			
Surrogate: Toluene-d8	*48.43*		*50.0000*		*96.9*	*31 - 166*			

Certificate of Analysis

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San Diego , CA 92121	Reported :	08/03/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0516 - MSVOA_S (continued)									
Matrix Spike (B5G0516-MS1)		**Source: 1502586-04**		Prepared: 7/27/2015 Analyzed: 7/27/2015					
1,1,1,2-Tetrachloroethane	44.5100	5.0	50.0000	ND	89.0	45 - 122			
1,1,1-Trichloroethane	36.5600	5.0	50.0000	ND	73.1	46 - 131			
1,1,2,2-Tetrachloroethane	44.4700	5.0	50.0000	ND	88.9	34 - 133			
1,1,2-Trichloroethane	41.8100	5.0	50.0000	ND	83.6	40 - 133			
1,1-Dichloroethane	33.5600	5.0	50.0000	ND	67.1	50 - 120			
1,1-Dichloroethene	32.0900	5.0	50.0000	ND	64.2	42 - 130			
1,1-Dichloropropene	39.2200	5.0	50.0000	ND	78.4	49 - 125			
1,2,3-Trichloropropane	42.9300	5.0	50.0000	ND	85.9	42 - 130			
1,2,3-Trichlorobenzene	35.4600	5.0	50.0000	ND	70.9	2 - 136			
1,2,4-Trichlorobenzene	37.1700	5.0	50.0000	ND	74.3	6 - 137			
1,2,4-Trimethylbenzene	42.4200	5.0	50.0000	ND	84.8	37 - 129			
1,2-Dibromo-3-chloropropane	44.0900	10	50.0000	ND	88.2	36 - 135			
1,2-Dibromoethane	45.5500	5.0	50.0000	ND	91.1	43 - 129			
1,2-Dichlorobenzene	42.8000	5.0	50.0000	ND	85.6	31 - 129			
1,2-Dichloroethane	37.9500	5.0	50.0000	ND	75.9	50 - 122			
1,2-Dichloropropane	39.1600	5.0	50.0000	ND	78.3	51 - 119			
1,3,5-Trimethylbenzene	42.9900	5.0	50.0000	ND	86.0	38 - 130			
1,3-Dichlorobenzene	43.1400	5.0	50.0000	ND	86.3	31 - 128			
1,3-Dichloropropane	42.6100	5.0	50.0000	ND	85.2	52 - 122			
1,4-Dichlorobenzene	43.7400	5.0	50.0000	ND	87.5	31 - 128			
2,2-Dichloropropane	34.3400	5.0	50.0000	ND	68.7	42 - 140			
2-Chlorotoluene	43.3000	5.0	50.0000	ND	86.6	38 - 129			
4-Chlorotoluene	42.6300	5.0	50.0000	ND	85.3	38 - 128			
4-Isopropyltoluene	42.1200	5.0	50.0000	ND	84.2	31 - 137			
Benzene	75.1300	5.0	100.000	ND	75.1	51 - 117			
Bromobenzene	42.8800	5.0	50.0000	ND	85.8	41 - 125			
Bromochloromethane	35.9900	5.0	50.0000	ND	72.0	47 - 123			
Bromodichloromethane	40.0800	5.0	50.0000	ND	80.2	50 - 122			
Bromoform	46.4900	5.0	50.0000	ND	93.0	39 - 131			
Bromomethane	34.7900	5.0	50.0000	ND	69.6	10 - 154			
Carbon disulfide	25.8500	5.0	50.0000	ND	51.7	24 - 138			
Carbon tetrachloride	36.5600	5.0	50.0000	ND	73.1	44 - 131			
Chlorobenzene	43.5600	5.0	50.0000	ND	87.1	46 - 123			
Chloroethane	30.8900	5.0	50.0000	ND	61.8	27 - 143			
Chloroform	36.7700	5.0	50.0000	ND	73.5	50 - 124			
Chloromethane	23.9800	5.0	50.0000	ND	48.0	8 - 139			
cis-1,2-Dichloroethene	35.8800	5.0	50.0000	ND	71.8	48 - 125			
cis-1,3-Dichloropropene	42.3100	5.0	50.0000	ND	84.6	51 - 123			
Di-isopropyl ether	35.6900	5.0	50.0000	ND	71.4	45 - 125			
Dibromochloromethane	42.8600	5.0	50.0000	ND	85.7	48 - 124			
Dibromomethane	38.8200	5.0	50.0000	ND	77.6	48 - 124			

Certificate of Analysis

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0516 - MSVOA_S (continued)									
Matrix Spike (B5G0516-MS1) - Continued		**Source: 1502586-04**		Prepared: 7/27/2015 Analyzed: 7/27/2015					
Dichlorodifluoromethane	25.0300	5.0	50.0000	ND	50.1	0 - 150			
Ethyl Acetate	364.730	50	500.000	ND	72.9	0 - 140			
Ethyl Ether	326.360	50	500.000	ND	65.3	36 - 142			
Ethyl tert-butyl ether	37.2700	5.0	50.0000	ND	74.5	46 - 133			
Ethylbenzene	80.6200	5.0	100.000	ND	80.6	46 - 123			
Freon-113	35.0600	5.0	50.0000	ND	70.1	38 - 137			
Hexachlorobutadiene	37.2100	5.0	50.0000	ND	74.4	5 - 132			
Isopropylbenzene	44.8200	5.0	50.0000	ND	89.6	43 - 132			
m,p-Xylene	78.5100	10	100.000	ND	78.5	45 - 128			
Methylene chloride	36.5300	5.0	50.0000	ND	73.1	37 - 126			
MTBE	34.9000	5.0	50.0000	ND	69.8	46 - 125			
n-Butylbenzene	42.7200	5.0	50.0000	ND	85.4	24 - 138			
n-Propylbenzene	44.7500	5.0	50.0000	ND	89.5	40 - 133			
Naphthalene	39.9200	5.0	50.0000	ND	79.8	10 - 149			
o-Xylene	79.0500	5.0	100.000	ND	79.0	45 - 125			
sec-Butylbenzene	42.6200	5.0	50.0000	ND	85.2	33 - 136			
Styrene	43.1100	5.0	50.0000	ND	86.2	43 - 128			
tert-Amyl methyl ether	36.1800	5.0	50.0000	ND	72.4	35 - 147			
tert-Butanol	141.700	100	250.000	ND	56.7	0 - 208			
tert-Butylbenzene	43.6800	5.0	50.0000	ND	87.4	36 - 133			
Tetrachloroethene	43.8700	5.0	50.0000	ND	87.7	41 - 129			
Toluene	80.8600	5.0	100.000	ND	80.9	49 - 124			
trans-1,2-Dichloroethene	35.1400	5.0	50.0000	ND	70.3	44 - 126			
trans-1,3-Dichloropropene	41.9800	5.0	50.0000	ND	84.0	42 - 125			
Trichloroethene	41.5900	5.0	50.0000	ND	83.2	38 - 139			
Trichlorofluoromethane	32.2800	5.0	50.0000	ND	64.6	30 - 157			
Vinyl acetate	172.740	50	500.000	ND	34.5	0 - 132			
Vinyl chloride	28.1300	5.0	50.0000	ND	56.3	19 - 142			
Surrogate: 1,2-Dichloroethane-d4	*50.42*		*50.0000*		*101*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*48.30*		*50.0000*		*96.6*	*20 - 173*			
Surrogate: Dibromofluoromethane	*52.00*		*50.0000*		*104*	*26 - 178*			
Surrogate: Toluene-d8	*49.31*		*50.0000*		*98.6*	*31 - 166*			

Certificate of Analysis

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0516 - MSVOA_S (continued)									
Matrix Spike Dup (B5G0516-MSD1)		**Source: 1502586-04**		Prepared: 7/27/2015 Analyzed: 7/27/2015					
1,1,1,2-Tetrachloroethane	43.9800	5.0	50.0000	ND	88.0	45 - 122	1.20	20	
1,1,1-Trichloroethane	34.4800	5.0	50.0000	ND	69.0	46 - 131	5.86	20	
1,1,2,2-Tetrachloroethane	45.9400	5.0	50.0000	ND	91.9	34 - 133	3.25	20	
1,1,2-Trichloroethane	41.2700	5.0	50.0000	ND	82.5	40 - 133	1.30	20	
1,1-Dichloroethane	31.8000	5.0	50.0000	ND	63.6	50 - 120	5.39	20	
1,1-Dichloroethene	31.3200	5.0	50.0000	ND	62.6	42 - 130	2.43	20	
1,1-Dichloropropene	38.2400	5.0	50.0000	ND	76.5	49 - 125	2.53	20	
1,2,3-Trichloropropane	45.5600	5.0	50.0000	ND	91.1	42 - 130	5.94	20	
1,2,3-Trichlorobenzene	37.5400	5.0	50.0000	ND	75.1	2 - 136	5.70	20	
1,2,4-Trichlorobenzene	37.0600	5.0	50.0000	ND	74.1	6 - 137	0.296	20	
1,2,4-Trimethylbenzene	39.2400	5.0	50.0000	ND	78.5	37 - 129	7.79	20	
1,2-Dibromo-3-chloropropane	43.7300	10	50.0000	ND	87.5	36 - 135	0.820	20	
1,2-Dibromoethane	43.9000	5.0	50.0000	ND	87.8	43 - 129	3.69	20	
1,2-Dichlorobenzene	41.2400	5.0	50.0000	ND	82.5	31 - 129	3.71	20	
1,2-Dichloroethane	35.7900	5.0	50.0000	ND	71.6	50 - 122	5.86	20	
1,2-Dichloropropane	37.9300	5.0	50.0000	ND	75.9	51 - 119	3.19	20	
1,3,5-Trimethylbenzene	39.7400	5.0	50.0000	ND	79.5	38 - 130	7.86	20	
1,3-Dichlorobenzene	40.8300	5.0	50.0000	ND	81.7	31 - 128	5.50	20	
1,3-Dichloropropane	42.4700	5.0	50.0000	ND	84.9	52 - 122	0.329	20	
1,4-Dichlorobenzene	41.3000	5.0	50.0000	ND	82.6	31 - 128	5.74	20	
2,2-Dichloropropane	32.7400	5.0	50.0000	ND	65.5	42 - 140	4.77	20	
2-Chlorotoluene	41.4800	5.0	50.0000	ND	83.0	38 - 129	4.29	20	
4-Chlorotoluene	39.9400	5.0	50.0000	ND	79.9	38 - 128	6.52	20	
4-Isopropyltoluene	38.8900	5.0	50.0000	ND	77.8	31 - 137	7.97	20	
Benzene	72.1200	5.0	100.000	ND	72.1	51 - 117	4.09	20	
Bromobenzene	43.1900	5.0	50.0000	ND	86.4	41 - 125	0.720	20	
Bromochloromethane	34.0200	5.0	50.0000	ND	68.0	47 - 123	5.63	20	
Bromodichloromethane	39.0600	5.0	50.0000	ND	78.1	50 - 122	2.58	20	
Bromoform	45.8700	5.0	50.0000	ND	91.7	39 - 131	1.34	20	
Bromomethane	30.4400	5.0	50.0000	ND	60.9	10 - 154	13.3	20	
Carbon disulfide	23.8300	5.0	50.0000	ND	47.7	24 - 138	8.13	20	
Carbon tetrachloride	39.8000	5.0	50.0000	ND	79.6	44 - 131	8.49	20	
Chlorobenzene	41.2800	5.0	50.0000	ND	82.6	46 - 123	5.37	20	
Chloroethane	27.3100	5.0	50.0000	ND	54.6	27 - 143	12.3	20	
Chloroform	34.9200	5.0	50.0000	ND	69.8	50 - 124	5.16	20	
Chloromethane	19.9400	5.0	50.0000	ND	39.9	8 - 139	18.4	20	
cis-1,2-Dichloroethene	33.2900	5.0	50.0000	ND	66.6	48 - 125	7.49	20	
cis-1,3-Dichloropropene	40.4900	5.0	50.0000	ND	81.0	51 - 123	4.40	20	
Di-isopropyl ether	34.6300	5.0	50.0000	ND	69.3	45 - 125	3.01	20	
Dibromochloromethane	43.2200	5.0	50.0000	ND	86.4	48 - 124	0.836	20	
Dibromomethane	37.1300	5.0	50.0000	ND	74.3	48 - 124	4.45	20	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0516 - MSVOA_S (continued)									
Matrix Spike Dup (B5G0516-MSD1) - Continued		**Source: 1502586-04**		Prepared: 7/27/2015 Analyzed: 7/27/2015					
Dichlorodifluoromethane	21.9300	5.0	50.0000	ND	43.9	0 - 150	13.2	20	
Ethyl Acetate	317.940	50	500.000	ND	63.6	0 - 140	13.7	20	
Ethyl Ether	312.800	50	500.000	ND	62.6	36 - 142	4.24	20	
Ethyl tert-butyl ether	36.1100	5.0	50.0000	ND	72.2	46 - 133	3.16	20	
Ethylbenzene	77.1500	5.0	100.000	ND	77.2	46 - 123	4.40	20	
Freon-113	32.6800	5.0	50.0000	ND	65.4	38 - 137	7.03	20	
Hexachlorobutadiene	35.9200	5.0	50.0000	ND	71.8	5 - 132	3.53	20	
Isopropylbenzene	43.7400	5.0	50.0000	ND	87.5	43 - 132	2.44	20	
m,p-Xylene	73.4300	10	100.000	ND	73.4	45 - 128	6.69	20	
Methylene chloride	33.5000	5.0	50.0000	ND	67.0	37 - 126	8.65	20	
MTBE	34.3300	5.0	50.0000	ND	68.7	46 - 125	1.65	20	
n-Butylbenzene	39.6200	5.0	50.0000	ND	79.2	24 - 138	7.53	20	
n-Propylbenzene	42.8100	5.0	50.0000	ND	85.6	40 - 133	4.43	20	
Naphthalene	41.6100	5.0	50.0000	ND	83.2	10 - 149	4.15	20	
o-Xylene	74.0900	5.0	100.000	ND	74.1	45 - 125	6.48	20	
sec-Butylbenzene	40.8900	5.0	50.0000	ND	81.8	33 - 136	4.14	20	
Styrene	39.9400	5.0	50.0000	ND	79.9	43 - 128	7.63	20	
tert-Amyl methyl ether	35.2700	5.0	50.0000	ND	70.5	35 - 147	2.55	20	
tert-Butanol	156.240	100	250.000	ND	62.5	0 - 208	9.76	20	
tert-Butylbenzene	41.5000	5.0	50.0000	ND	83.0	36 - 133	5.12	20	
Tetrachloroethene	41.9800	5.0	50.0000	ND	84.0	41 - 129	4.40	20	
Toluene	77.5400	5.0	100.000	ND	77.5	49 - 124	4.19	20	
trans-1,2-Dichloroethene	32.8000	5.0	50.0000	ND	65.6	44 - 126	6.89	20	
trans-1,3-Dichloropropene	41.5700	5.0	50.0000	ND	83.1	42 - 125	0.981	20	
Trichloroethene	40.5100	5.0	50.0000	ND	81.0	38 - 139	2.63	20	
Trichlorofluoromethane	29.9800	5.0	50.0000	ND	60.0	30 - 157	7.39	20	
Vinyl acetate	95.6400	50	500.000	ND	19.1	0 - 132	57.5	20	R
Vinyl chloride	24.6800	5.0	50.0000	ND	49.4	19 - 142	13.1	20	
Surrogate: 1,2-Dichloroethane-d4	*48.47*		*50.0000*		*96.9*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*46.31*		*50.0000*		*92.6*	*20 - 173*			
Surrogate: Dibromofluoromethane	*51.06*		*50.0000*		*102*	*26 - 178*			
Surrogate: Toluene-d8	*48.45*		*50.0000*		*96.9*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0554 - MSVOA_S									
Blank (B5G0554-BLK1)				Prepared: 7/27/2015 Analyzed: 7/27/2015					
1,1,1,2-Tetrachloroethane	ND	5.0			NR				
1,1,1-Trichloroethane	ND	5.0			NR				
1,1,2,2-Tetrachloroethane	ND	5.0			NR				
1,1,2-Trichloroethane	ND	5.0			NR				
1,1-Dichloroethane	ND	5.0			NR				
1,1-Dichloroethene	ND	5.0			NR				
1,1-Dichloropropene	ND	5.0			NR				
1,2,3-Trichloropropane	ND	5.0			NR				
1,2,3-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trimethylbenzene	ND	5.0			NR				
1,2-Dibromo-3-chloropropane	ND	10			NR				
1,2-Dibromoethane	ND	5.0			NR				
1,2-Dichlorobenzene	ND	5.0			NR				
1,2-Dichloroethane	ND	5.0			NR				
1,2-Dichloropropane	ND	5.0			NR				
1,3,5-Trimethylbenzene	ND	5.0			NR				
1,3-Dichlorobenzene	ND	5.0			NR				
1,3-Dichloropropane	ND	5.0			NR				
1,4-Dichlorobenzene	ND	5.0			NR				
2,2-Dichloropropane	ND	5.0			NR				
2-Chlorotoluene	ND	5.0			NR				
4-Chlorotoluene	ND	5.0			NR				
4-Isopropyltoluene	ND	5.0			NR				
Benzene	ND	5.0			NR				
Bromobenzene	ND	5.0			NR				
Bromochloromethane	ND	5.0			NR				
Bromodichloromethane	ND	5.0			NR				
Bromoform	ND	5.0			NR				
Bromomethane	ND	5.0			NR				
Carbon disulfide	ND	5.0			NR				
Carbon tetrachloride	ND	5.0			NR				
Chlorobenzene	ND	5.0			NR				
Chloroethane	ND	5.0			NR				
Chloroform	ND	5.0			NR				
Chloromethane	ND	5.0			NR				
cis-1,2-Dichloroethene	ND	5.0			NR				
cis-1,3-Dichloropropene	ND	5.0			NR				
Di-isopropyl ether	ND	5.0			NR				
Dibromochloromethane	ND	5.0			NR				
Dibromomethane	ND	5.0			NR				

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0554 - MSVOA_S (continued)									
Blank (B5G0554-BLK1) - Continued				Prepared: 7/27/2015 Analyzed: 7/27/2015					
Dichlorodifluoromethane	ND	5.0			NR				
Ethyl Acetate	ND	50			NR				
Ethyl Ether	ND	50			NR				
Ethyl tert-butyl ether	ND	5.0			NR				
Ethylbenzene	ND	5.0			NR				
Freon-113	ND	5.0			NR				
Hexachlorobutadiene	ND	5.0			NR				
Isopropylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
Methylene chloride	ND	5.0			NR				
MTBE	ND	5.0			NR				
n-Butylbenzene	ND	5.0			NR				
n-Propylbenzene	ND	5.0			NR				
Naphthalene	ND	5.0			NR				
o-Xylene	ND	5.0			NR				
sec-Butylbenzene	ND	5.0			NR				
Styrene	ND	5.0			NR				
tert-Amyl methyl ether	ND	5.0			NR				
tert-Butanol	ND	100			NR				
tert-Butylbenzene	ND	5.0			NR				
Tetrachloroethene	ND	5.0			NR				
Toluene	ND	5.0			NR				
trans-1,2-Dichloroethene	ND	5.0			NR				
trans-1,3-Dichloropropene	ND	5.0			NR				
Trichloroethene	ND	5.0			NR				
Trichlorofluoromethane	ND	5.0			NR				
Vinyl acetate	ND	50			NR				
Vinyl chloride	ND	5.0			NR				
Surrogate: 1,2-Dichloroethane-d4	*47.41*		*50.0000*		*94.8*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*46.23*		*50.0000*		*92.5*	*20 - 173*			
Surrogate: Dibromofluoromethane	*56.82*		*50.0000*		*114*	*26 - 178*			
Surrogate: Toluene-d8	*50.83*		*50.0000*		*102*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0554 - MSVOA_S (continued)									
LCS (B5G0554-BS1)				Prepared: 7/27/2015 Analyzed: 7/27/2015					
1,1,1,2-Tetrachloroethane	53.7600	5.0	50.0000		108	74 - 117			
1,1,1-Trichloroethane	45.1300	5.0	50.0000		90.3	65 - 130			
1,1,2,2-Tetrachloroethane	50.5500	5.0	50.0000		101	63 - 123			
1,1,2-Trichloroethane	49.0400	5.0	50.0000		98.1	66 - 122			
1,1-Dichloroethane	41.8400	5.0	50.0000		83.7	65 - 124			
1,1-Dichloroethene	40.1600	5.0	50.0000		80.3	60 - 130			
1,1-Dichloropropene	47.5300	5.0	50.0000		95.1	75 - 121			
1,2,3-Trichloropropane	51.1400	5.0	50.0000		102	62 - 126			
1,2,3-Trichlorobenzene	51.2800	5.0	50.0000		103	72 - 120			
1,2,4-Trichlorobenzene	51.1700	5.0	50.0000		102	75 - 121			
1,2,4-Trimethylbenzene	51.2300	5.0	50.0000		102	82 - 118			
1,2-Dibromo-3-chloropropane	47.4200	10	50.0000		94.8	67 - 121			
1,2-Dibromoethane	51.6100	5.0	50.0000		103	69 - 123			
1,2-Dichlorobenzene	53.1200	5.0	50.0000		106	81 - 114			
1,2-Dichloroethane	46.6100	5.0	50.0000		93.2	71 - 119			
1,2-Dichloropropane	47.4100	5.0	50.0000		94.8	71 - 118			
1,3,5-Trimethylbenzene	52.1400	5.0	50.0000		104	81 - 120			
1,3-Dichlorobenzene	53.7900	5.0	50.0000		108	80 - 115			
1,3-Dichloropropane	50.5300	5.0	50.0000		101	77 - 117			
1,4-Dichlorobenzene	53.3300	5.0	50.0000		107	80 - 115			
2,2-Dichloropropane	40.1700	5.0	50.0000		80.3	58 - 141			
2-Chlorotoluene	52.3000	5.0	50.0000		105	78 - 120			
4-Chlorotoluene	51.5600	5.0	50.0000		103	79 - 119			
4-Isopropyltoluene	52.6600	5.0	50.0000		105	81 - 125			
Benzene	90.7400	5.0	100.000		90.7	73 - 116			
Bromobenzene	52.7000	5.0	50.0000		105	78 - 115			
Bromochloromethane	44.7900	5.0	50.0000		89.6	66 - 121			
Bromodichloromethane	48.0500	5.0	50.0000		96.1	73 - 120			
Bromoform	55.2200	5.0	50.0000		110	68 - 124			
Bromomethane	48.4400	5.0	50.0000		96.9	26 - 163			
Carbon disulfide	31.7600	5.0	50.0000		63.5	43 - 142			
Carbon tetrachloride	44.6500	5.0	50.0000		89.3	67 - 130			
Chlorobenzene	51.1900	5.0	50.0000		102	82 - 114			
Chloroethane	38.4300	5.0	50.0000		76.9	40 - 151			
Chloroform	45.9800	5.0	50.0000		92.0	68 - 124			
Chloromethane	28.1200	5.0	50.0000		56.2	18 - 144			
cis-1,2-Dichloroethene	44.4200	5.0	50.0000		88.8	66 - 125			
cis-1,3-Dichloropropene	49.4700	5.0	50.0000		98.9	77 - 120			
Di-isopropyl ether	43.4300	5.0	50.0000		86.9	56 - 132			
Dibromochloromethane	51.6800	5.0	50.0000		103	76 - 118			
Dibromomethane	47.4200	5.0	50.0000		94.8	69 - 122			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0554 - MSVOA_S (continued)									
LCS (B5G0554-BS1) - Continued				Prepared: 7/27/2015 Analyzed: 7/27/2015					
Dichlorodifluoromethane	30.4000	5.0	50.0000		60.8	0 - 155			
Ethyl Acetate	472.910	50	500.000		94.6	31 - 137			
Ethyl Ether	389.300	50	500.000		77.9	47 - 150			
Ethyl tert-butyl ether	42.2300	5.0	50.0000		84.5	63 - 134			
Ethylbenzene	96.2200	5.0	100.000		96.2	79 - 115			
Freon-113	43.4500	5.0	50.0000		86.9	62 - 134			
Hexachlorobutadiene	55.7100	5.0	50.0000		111	71 - 121			
Isopropylbenzene	54.5800	5.0	50.0000		109	78 - 126			
m,p-Xylene	93.7100	10	100.000		93.7	80 - 119			
Methylene chloride	45.9900	5.0	50.0000		92.0	56 - 129			
MTBE	40.9600	5.0	50.0000		81.9	61 - 124			
n-Butylbenzene	55.8100	5.0	50.0000		112	78 - 127			
n-Propylbenzene	54.8400	5.0	50.0000		110	77 - 128			
Naphthalene	50.6500	5.0	50.0000		101	61 - 141			
o-Xylene	93.4600	5.0	100.000		93.5	81 - 116			
sec-Butylbenzene	53.8900	5.0	50.0000		108	81 - 125			
Styrene	51.3700	5.0	50.0000		103	82 - 120			
tert-Amyl methyl ether	41.5500	5.0	50.0000		83.1	52 - 149			
tert-Butanol	161.420	100	250.000		64.6	26 - 160			
tert-Butylbenzene	54.3900	5.0	50.0000		109	80 - 123			
Tetrachloroethene	52.7100	5.0	50.0000		105	75 - 123			
Toluene	96.4000	5.0	100.000		96.4	75 - 119			
trans-1,2-Dichloroethene	42.6900	5.0	50.0000		85.4	62 - 127			
trans-1,3-Dichloropropene	49.8300	5.0	50.0000		99.7	68 - 121			
Trichloroethene	50.4400	5.0	50.0000		101	73 - 119			
Trichlorofluoromethane	39.4200	5.0	50.0000		78.8	47 - 157			
Vinyl acetate	467.550	50	500.000		93.5	20 - 136			
Vinyl chloride	32.8200	5.0	50.0000		65.6	27 - 147			
Surrogate: 1,2-Dichloroethane-d4	*52.81*		*50.0000*		*106*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*47.21*		*50.0000*		*94.4*	*20 - 173*			
Surrogate: Dibromofluoromethane	*55.25*		*50.0000*		*110*	*26 - 178*			
Surrogate: Toluene-d8	*49.67*		*50.0000*		*99.3*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0554 - MSVOA_S (continued)									
Matrix Spike (B5G0554-MS1)		**Source: 1502598-12**		Prepared: 7/27/2015 Analyzed: 7/27/2015					
1,1,1,2-Tetrachloroethane	46.5600	5.0	50.0000	ND	93.1	45 - 122			
1,1,1-Trichloroethane	39.6500	5.0	50.0000	ND	79.3	46 - 131			
1,1,2,2-Tetrachloroethane	45.7500	5.0	50.0000	ND	91.5	34 - 133			
1,1,2-Trichloroethane	42.4900	5.0	50.0000	ND	85.0	40 - 133			
1,1-Dichloroethane	35.7000	5.0	50.0000	ND	71.4	50 - 120			
1,1-Dichloroethene	34.9100	5.0	50.0000	ND	69.8	42 - 130			
1,1-Dichloropropene	41.1100	5.0	50.0000	ND	82.2	49 - 125			
1,2,3-Trichloropropane	44.8800	5.0	50.0000	ND	89.8	42 - 130			
1,2,3-Trichlorobenzene	42.2300	5.0	50.0000	ND	84.5	2 - 136			
1,2,4-Trichlorobenzene	41.8600	5.0	50.0000	ND	83.7	6 - 137			
1,2,4-Trimethylbenzene	42.1600	5.0	50.0000	ND	84.3	37 - 129			
1,2-Dibromo-3-chloropropane	40.7300	10	50.0000	ND	81.5	36 - 135			
1,2-Dibromoethane	44.2200	5.0	50.0000	ND	88.4	43 - 129			
1,2-Dichlorobenzene	43.7100	5.0	50.0000	ND	87.4	31 - 129			
1,2-Dichloroethane	37.6000	5.0	50.0000	ND	75.2	50 - 122			
1,2-Dichloropropane	40.8500	5.0	50.0000	ND	81.7	51 - 119			
1,3,5-Trimethylbenzene	42.9500	5.0	50.0000	ND	85.9	38 - 130			
1,3-Dichlorobenzene	44.1400	5.0	50.0000	ND	88.3	31 - 128			
1,3-Dichloropropane	42.3500	5.0	50.0000	ND	84.7	52 - 122			
1,4-Dichlorobenzene	44.4200	5.0	50.0000	ND	88.8	31 - 128			
2,2-Dichloropropane	35.2000	5.0	50.0000	ND	70.4	42 - 140			
2-Chlorotoluene	44.5000	5.0	50.0000	ND	89.0	38 - 129			
4-Chlorotoluene	43.0200	5.0	50.0000	ND	86.0	38 - 128			
4-Isopropyltoluene	42.7700	5.0	50.0000	ND	85.5	31 - 137			
Benzene	77.5900	5.0	100.000	ND	77.6	51 - 117			
Bromobenzene	45.0900	5.0	50.0000	ND	90.2	41 - 125			
Bromochloromethane	35.8100	5.0	50.0000	ND	71.6	47 - 123			
Bromodichloromethane	41.2700	5.0	50.0000	ND	82.5	50 - 122			
Bromoform	44.8800	5.0	50.0000	ND	89.8	39 - 131			
Bromomethane	35.3100	5.0	50.0000	ND	70.6	10 - 154			
Carbon disulfide	27.2100	5.0	50.0000	ND	54.4	24 - 138			
Carbon tetrachloride	39.0300	5.0	50.0000	ND	78.1	44 - 131			
Chlorobenzene	43.9800	5.0	50.0000	ND	88.0	46 - 123			
Chloroethane	30.2500	5.0	50.0000	ND	60.5	27 - 143			
Chloroform	40.0800	5.0	50.0000	ND	80.2	50 - 124			
Chloromethane	21.1100	5.0	50.0000	ND	42.2	8 - 139			
cis-1,2-Dichloroethene	37.7700	5.0	50.0000	ND	75.5	48 - 125			
cis-1,3-Dichloropropene	42.3000	5.0	50.0000	ND	84.6	51 - 123			
Di-isopropyl ether	38.1200	5.0	50.0000	ND	76.2	45 - 125			
Dibromochloromethane	44.1600	5.0	50.0000	ND	88.3	48 - 124			
Dibromomethane	39.6300	5.0	50.0000	ND	79.3	48 - 124			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0554 - MSVOA_S (continued)									
Matrix Spike (B5G0554-MS1) - Continued		**Source: 1502598-12**		Prepared: 7/27/2015 Analyzed: 7/27/2015					
Dichlorodifluoromethane	24.6500	5.0	50.0000	ND	49.3	0 - 150			
Ethyl Acetate	413.880	50	500.000	ND	82.8	0 - 140			
Ethyl Ether	336.770	50	500.000	ND	67.4	36 - 142			
Ethyl tert-butyl ether	38.1000	5.0	50.0000	ND	76.2	46 - 133			
Ethylbenzene	82.5700	5.0	100.000	ND	82.6	46 - 123			
Freon-113	38.9300	5.0	50.0000	ND	77.9	38 - 137			
Hexachlorobutadiene	39.1300	5.0	50.0000	ND	78.3	5 - 132			
Isopropylbenzene	47.5700	5.0	50.0000	ND	95.1	43 - 132			
m,p-Xylene	78.3900	10	100.000	ND	78.4	45 - 128			
Methylene chloride	37.1700	5.0	50.0000	ND	74.3	37 - 126			
MTBE	35.8700	5.0	50.0000	ND	71.7	46 - 125			
n-Butylbenzene	43.7100	5.0	50.0000	ND	87.4	24 - 138			
n-Propylbenzene	46.5100	5.0	50.0000	ND	93.0	40 - 133			
Naphthalene	43.5600	5.0	50.0000	ND	87.1	10 - 149			
o-Xylene	79.0100	5.0	100.000	ND	79.0	45 - 125			
sec-Butylbenzene	44.9700	5.0	50.0000	ND	89.9	33 - 136			
Styrene	41.4800	5.0	50.0000	ND	83.0	43 - 128			
tert-Amyl methyl ether	36.6500	5.0	50.0000	ND	73.3	35 - 147			
tert-Butanol	154.800	100	250.000	ND	61.9	0 - 208			
tert-Butylbenzene	44.8300	5.0	50.0000	ND	89.7	36 - 133			
Tetrachloroethene	46.2000	5.0	50.0000	ND	92.4	41 - 129			
Toluene	83.7700	5.0	100.000	ND	83.8	49 - 124			
trans-1,2-Dichloroethene	36.7800	5.0	50.0000	ND	73.6	44 - 126			
trans-1,3-Dichloropropene	41.8200	5.0	50.0000	ND	83.6	42 - 125			
Trichloroethene	43.0600	5.0	50.0000	ND	86.1	38 - 139			
Trichlorofluoromethane	34.9100	5.0	50.0000	ND	69.8	30 - 157			
Vinyl acetate	392.290	50	500.000	ND	78.5	0 - 132			
Vinyl chloride	26.8000	5.0	50.0000	ND	53.6	19 - 142			
Surrogate: 1,2-Dichloroethane-d4	*52.22*		*50.0000*		*104*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*46.19*		*50.0000*		*92.4*	*20 - 173*			
Surrogate: Dibromofluoromethane	*56.17*		*50.0000*		*112*	*26 - 178*			
Surrogate: Toluene-d8	*49.29*		*50.0000*		*98.6*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0554 - MSVOA_S (continued)									
Matrix Spike Dup (B5G0554-MSD1)		**Source: 1502598-12**		Prepared: 7/27/2015 Analyzed: 7/27/2015					
1,1,1,2-Tetrachloroethane	45.8100	5.0	50.0000	ND	91.6	45 - 122	1.62	20	
1,1,1-Trichloroethane	38.2000	5.0	50.0000	ND	76.4	46 - 131	3.73	20	
1,1,2,2-Tetrachloroethane	42.7900	5.0	50.0000	ND	85.6	34 - 133	6.69	20	
1,1,2-Trichloroethane	42.9400	5.0	50.0000	ND	85.9	40 - 133	1.05	20	
1,1-Dichloroethane	35.4500	5.0	50.0000	ND	70.9	50 - 120	0.703	20	
1,1-Dichloroethene	33.0100	5.0	50.0000	ND	66.0	42 - 130	5.59	20	
1,1-Dichloropropene	39.6300	5.0	50.0000	ND	79.3	49 - 125	3.67	20	
1,2,3-Trichloropropane	41.5000	5.0	50.0000	ND	83.0	42 - 130	7.83	20	
1,2,3-Trichlorobenzene	41.2500	5.0	50.0000	ND	82.5	2 - 136	2.35	20	
1,2,4-Trichlorobenzene	42.0000	5.0	50.0000	ND	84.0	6 - 137	0.334	20	
1,2,4-Trimethylbenzene	43.7400	5.0	50.0000	ND	87.5	37 - 129	3.68	20	
1,2-Dibromo-3-chloropropane	41.7400	10	50.0000	ND	83.5	36 - 135	2.45	20	
1,2-Dibromoethane	44.1400	5.0	50.0000	ND	88.3	43 - 129	0.181	20	
1,2-Dichlorobenzene	44.9400	5.0	50.0000	ND	89.9	31 - 129	2.77	20	
1,2-Dichloroethane	38.6500	5.0	50.0000	ND	77.3	50 - 122	2.75	20	
1,2-Dichloropropane	39.6600	5.0	50.0000	ND	79.3	51 - 119	2.96	20	
1,3,5-Trimethylbenzene	43.4800	5.0	50.0000	ND	87.0	38 - 130	1.23	20	
1,3-Dichlorobenzene	45.1900	5.0	50.0000	ND	90.4	31 - 128	2.35	20	
1,3-Dichloropropane	42.1900	5.0	50.0000	ND	84.4	52 - 122	0.379	20	
1,4-Dichlorobenzene	45.0400	5.0	50.0000	ND	90.1	31 - 128	1.39	20	
2,2-Dichloropropane	34.1800	5.0	50.0000	ND	68.4	42 - 140	2.94	20	
2-Chlorotoluene	43.9400	5.0	50.0000	ND	87.9	38 - 129	1.27	20	
4-Chlorotoluene	43.7500	5.0	50.0000	ND	87.5	38 - 128	1.68	20	
4-Isopropyltoluene	43.8400	5.0	50.0000	ND	87.7	31 - 137	2.47	20	
Benzene	75.9300	5.0	100.000	ND	75.9	51 - 117	2.16	20	
Bromobenzene	43.9100	5.0	50.0000	ND	87.8	41 - 125	2.65	20	
Bromochloromethane	38.1600	5.0	50.0000	ND	76.3	47 - 123	6.35	20	
Bromodichloromethane	40.9500	5.0	50.0000	ND	81.9	50 - 122	0.778	20	
Bromoform	46.3700	5.0	50.0000	ND	92.7	39 - 131	3.27	20	
Bromomethane	35.6800	5.0	50.0000	ND	71.4	10 - 154	1.04	20	
Carbon disulfide	24.9000	5.0	50.0000	ND	49.8	24 - 138	8.87	20	
Carbon tetrachloride	41.8200	5.0	50.0000	ND	83.6	44 - 131	6.90	20	
Chlorobenzene	44.2000	5.0	50.0000	ND	88.4	46 - 123	0.499	20	
Chloroethane	30.6300	5.0	50.0000	ND	61.3	27 - 143	1.25	20	
Chloroform	39.1400	5.0	50.0000	ND	78.3	50 - 124	2.37	20	
Chloromethane	22.9200	5.0	50.0000	ND	45.8	8 - 139	8.22	20	
cis-1,2-Dichloroethene	37.0900	5.0	50.0000	ND	74.2	48 - 125	1.82	20	
cis-1,3-Dichloropropene	42.1600	5.0	50.0000	ND	84.3	51 - 123	0.332	20	
Di-isopropyl ether	37.2500	5.0	50.0000	ND	74.5	45 - 125	2.31	20	
Dibromochloromethane	43.4700	5.0	50.0000	ND	86.9	48 - 124	1.57	20	
Dibromomethane	39.9100	5.0	50.0000	ND	79.8	48 - 124	0.704	20	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0554 - MSVOA_S (continued)									
Matrix Spike Dup (B5G0554-MSD1) - Continued		**Source: 1502598-12**		Prepared: 7/27/2015 Analyzed: 7/27/2015					
Dichlorodifluoromethane	25.3600	5.0	50.0000	ND	50.7	0 - 150	2.84	20	
Ethyl Acetate	407.130	50	500.000	ND	81.4	0 - 140	1.64	20	
Ethyl Ether	328.860	50	500.000	ND	65.8	36 - 142	2.38	20	
Ethyl tert-butyl ether	37.9100	5.0	50.0000	ND	75.8	46 - 133	0.500	20	
Ethylbenzene	82.1000	5.0	100.000	ND	82.1	46 - 123	0.571	20	
Freon-113	36.3900	5.0	50.0000	ND	72.8	38 - 137	6.74	20	
Hexachlorobutadiene	42.3500	5.0	50.0000	ND	84.7	5 - 132	7.90	20	
Isopropylbenzene	44.8500	5.0	50.0000	ND	89.7	43 - 132	5.89	20	
m,p-Xylene	81.3100	10	100.000	ND	81.3	45 - 128	3.66	20	
Methylene chloride	37.6200	5.0	50.0000	ND	75.2	37 - 126	1.20	20	
MTBE	35.3800	5.0	50.0000	ND	70.8	46 - 125	1.38	20	
n-Butylbenzene	45.7400	5.0	50.0000	ND	91.5	24 - 138	4.54	20	
n-Propylbenzene	45.3500	5.0	50.0000	ND	90.7	40 - 133	2.53	20	
Naphthalene	41.5900	5.0	50.0000	ND	83.2	10 - 149	4.63	20	
o-Xylene	81.2600	5.0	100.000	ND	81.3	45 - 125	2.81	20	
sec-Butylbenzene	44.4000	5.0	50.0000	ND	88.8	33 - 136	1.28	20	
Styrene	44.3800	5.0	50.0000	ND	88.8	43 - 128	6.76	20	
tert-Amyl methyl ether	36.3600	5.0	50.0000	ND	72.7	35 - 147	0.794	20	
tert-Butanol	154.750	100	250.000	ND	61.9	0 - 208	0.0323	20	
tert-Butylbenzene	44.6700	5.0	50.0000	ND	89.3	36 - 133	0.358	20	
Tetrachloroethene	44.7100	5.0	50.0000	ND	89.4	41 - 129	3.28	20	
Toluene	83.1600	5.0	100.000	ND	83.2	49 - 124	0.731	20	
trans-1,2-Dichloroethene	35.7200	5.0	50.0000	ND	71.4	44 - 126	2.92	20	
trans-1,3-Dichloropropene	42.4400	5.0	50.0000	ND	84.9	42 - 125	1.47	20	
Trichloroethene	41.9600	5.0	50.0000	ND	83.9	38 - 139	2.59	20	
Trichlorofluoromethane	33.2900	5.0	50.0000	ND	66.6	30 - 157	4.75	20	
Vinyl acetate	391.170	50	500.000	ND	78.2	0 - 132	0.286	20	
Vinyl chloride	27.4800	5.0	50.0000	ND	55.0	19 - 142	2.51	20	
Surrogate: 1,2-Dichloroethane-d4	*50.70*		*50.0000*		*101*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*47.09*		*50.0000*		*94.2*	*20 - 173*			
Surrogate: Dibromofluoromethane	*54.41*		*50.0000*		*109*	*26 - 178*			
Surrogate: Toluene-d8	*47.67*		*50.0000*		*95.3*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0606 - MSSEMI_S									
Blank (B5G0606-BLK1)				Prepared: 7/29/2015 Analyzed: 7/29/2015					
1,2,4-Trichlorobenzene	ND	330			NR				
1,2-Dichlorobenzene	ND	330			NR				
1,3-Dichlorobenzene	ND	330			NR				
1,4-Dichlorobenzene	ND	330			NR				
2,4,5-Trichlorophenol	ND	330			NR				
2,4,6-Trichlorophenol	ND	330			NR				
2,4-Dichlorophenol	ND	1600			NR				
2,4-Dimethylphenol	ND	330			NR				
2,4-Dinitrophenol	ND	1600			NR				
2,4-Dinitrotoluene	ND	330			NR				
2,6-Dinitrotoluene	ND	330			NR				
2-Chloronaphthalene	ND	330			NR				
2-Chlorophenol	ND	330			NR				
2-Methylnaphthalene	ND	330			NR				
2-Methylphenol	ND	330			NR				
2-Nitroaniline	ND	1600			NR				
2-Nitrophenol	ND	330			NR				
3,3´-Dichlorobenzidine	ND	660			NR				
3-Nitroaniline	ND	1600			NR				
4,6-Dinitro-2-methyphenol	ND	1600			NR				
4-Bromophenyl-phenylether	ND	330			NR				
4-Chloro-3-methylphenol	ND	660			NR				
4-Chloroaniline	ND	660			NR				
4-Chlorophenyl-phenylether	ND	330			NR				
4-Methylphenol	ND	330			NR				
4-Nitroaniline	ND	1600			NR				
4-Nitrophenol	ND	330			NR				
Acenaphthene	ND	330			NR				
Acenaphthylene	ND	330			NR				
Anthracene	ND	330			NR				
Benzidine (M)	ND	1600			NR				
Benzo(a)anthracene	ND	330			NR				
Benzo(a)pyrene	ND	330			NR				
Benzo(b)fluoranthene	ND	330			NR				
Benzo(g,h,i)perylene	ND	330			NR				
Benzo(k)fluoranthene	ND	330			NR				
Benzoic acid	ND	1600			NR				
Benzyl alcohol	ND	660			NR				
bis(2-chloroethoxy)methane	ND	330			NR				
bis(2-Chloroethyl)ether	ND	330			NR				
bis(2-chloroisopropyl)ether	ND	330			NR				

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0606 - MSSEMI_S (continued)									
Blank (B5G0606-BLK1) - Continued				Prepared: 7/29/2015 Analyzed: 7/29/2015					
bis(2-ethylhexyl)phthalate	ND	330			NR				
Butylbenzylphthalate	ND	330			NR				
Chrysene	ND	330			NR				
Di-n-butylphthalate	ND	330			NR				
Di-n-octylphthalate	ND	330			NR				
Dibenz(a,h)anthracene	ND	330			NR				
Dibenzofuran	ND	330			NR				
Diethyl phthalate	ND	330			NR				
Dimethyl phthalate	ND	330			NR				
Fluoranthene	ND	330			NR				
Fluorene	ND	330			NR				
Hexachlorobenzene	ND	330			NR				
Hexachlorobutadiene	ND	660			NR				
Hexachlorocyclopentadiene	ND	660			NR				
Hexachloroethane	ND	330			NR				
Indeno(1,2,3-cd)pyrene	ND	330			NR				
Isophorone	ND	330			NR				
N-Nitroso-di-n propylamine	ND	330			NR				
N-Nitrosodiphenylamine	ND	330			NR				
Naphthalene	ND	330			NR				
Nitrobenzene	ND	330			NR				
Pentachlorophenol	ND	1600			NR				
Phenanthrene	ND	330			NR				
Phenol	ND	330			NR				
Pyrene	ND	330			NR				
Pyridine	ND	1600			NR				
Surrogate: 1,2-Dichlorobenzene-d4	*2632*		*3333.33*		*79.0*	*24 - 114*			
Surrogate: 2,4,6-Tribromophenol	*2432*		*3333.33*		*73.0*	*0 - 189*			
Surrogate: 2-Chlorophenol-d4	*2784*		*3333.33*		*83.5*	*23 - 123*			
Surrogate: 2-Fluorobiphenyl	*2780*		*3333.33*		*83.4*	*28 - 128*			
Surrogate: 2-Fluorophenol	*2797*		*3333.33*		*83.9*	*8 - 138*			
Surrogate: 4-Terphenyl-d14	*2987*		*3333.33*		*89.6*	*27 - 154*			
Surrogate: Nitrobenzene-d5	*2876*		*3333.33*		*86.3*	*19 - 129*			
Surrogate: Phenol-d5	*2700*		*3333.33*		*81.0*	*20 - 126*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0606 - MSSEMI_S (continued)									
LCS (B5G0606-BS1)				Prepared: 7/29/2015 Analyzed: 7/29/2015					
1,2,4-Trichlorobenzene	2948.00	330	3333.33		88.4	67 - 110			
1,2-Dichlorobenzene	2932.67	330	3333.33		88.0	64 - 104			
1,3-Dichlorobenzene	2941.00	330	3333.33		88.2	63 - 104			
1,4-Dichlorobenzene	2667.67	330	3333.33		80.0	62 - 102			
2,4,5-Trichlorophenol	3561.67	330	3333.33		107	69 - 129			
2,4,6-Trichlorophenol	4352.33	330	3333.33		131	66 - 127			L5
2,4-Dichlorophenol	4122.67	1600	3333.33		124	64 - 116			L5
2,4-Dimethylphenol	3687.67	330	3333.33		111	61 - 111			
2,4-Dinitrophenol	3954.33	1600	3333.33		119	33 - 138			
2,4-Dinitrotoluene	3510.67	330	3333.33		105	76 - 137			
2,6-Dinitrotoluene	3663.67	330	3333.33		110	76 - 132			
2-Chloronaphthalene	3052.67	330	3333.33		91.6	67 - 126			
2-Chlorophenol	3843.00	330	3333.33		115	65 - 105			L5
2-Methylnaphthalene	3276.00	330	3333.33		98.3	68 - 121			
2-Methylphenol	3294.00	330	3333.33		98.8	66 - 103			
2-Nitroaniline	4252.67	1600	3333.33		128	62 - 137			
2-Nitrophenol	4257.00	330	3333.33		128	60 - 122			L5
3,3´-Dichlorobenzidine	3811.33	660	3333.33		114	61 - 128			
3-Nitroaniline	3647.67	1600	3333.33		109	61 - 118			
4,6-Dinitro-2-methyphenol	5182.67	1600	3333.33		155	57 - 146			L5
4-Bromophenyl-phenylether	3033.00	330	3333.33		91.0	71 - 135			
4-Chloro-3-methylphenol	4201.00	660	3333.33		126	72 - 124			L5
4-Chloroaniline	3120.00	660	3333.33		93.6	59 - 108			
4-Chlorophenyl-phenylether	2986.00	330	3333.33		89.6	71 - 135			
4-Methylphenol	3488.00	330	3333.33		105	72 - 113			
4-Nitroaniline	4016.00	1600	3333.33		120	70 - 130			
4-Nitrophenol	5391.67	330	3333.33		162	55 - 146			L5
Acenaphthene	3090.00	330	3333.33		92.7	66 - 112			
Acenaphthylene	3026.33	330	3333.33		90.8	66 - 114			
Anthracene	3423.00	330	3333.33		103	72 - 123			
Benzidine (M)	5066.33	1600	3333.33		152	43 - 155			
Benzo(a)anthracene	3065.00	330	3333.33		92.0	73 - 115			
Benzo(a)pyrene	3351.67	330	3333.33		101	78 - 125			
Benzo(b)fluoranthene	3308.67	330	3333.33		99.3	71 - 127			
Benzo(g,h,i)perylene	3119.33	330	3333.33		93.6	73 - 120			
Benzo(k)fluoranthene	3064.67	330	3333.33		91.9	72 - 121			
Benzoic acid	1712.00	1600	3333.33		51.4	19 - 133			
Benzyl alcohol	3414.00	660	3333.33		102	65 - 119			
bis(2-chloroethoxy)methane	2645.00	330	3333.33		79.4	62 - 118			
bis(2-Chloroethyl)ether	2734.67	330	3333.33		82.0	55 - 111			
bis(2-chloroisopropyl)ether	3673.00	330	3333.33		110	34 - 131			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0606 - MSSEMI_S (continued)									
LCS (B5G0606-BS1) - Continued				Prepared: 7/29/2015 Analyzed: 7/29/2015					
bis(2-ethylhexyl)phthalate	3288.33	330	3333.33		98.6	51 - 165			
Butylbenzylphthalate	3530.00	330	3333.33		106	54 - 155			
Chrysene	2899.33	330	3333.33		87.0	70 - 110			
Di-n-butylphthalate	3599.67	330	3333.33		108	65 - 155			
Di-n-octylphthalate	3530.00	330	3333.33		106	59 - 151			
Dibenz(a,h)anthracene	3377.67	330	3333.33		101	72 - 132			
Dibenzofuran	3362.00	330	3333.33		101	67 - 124			
Diethyl phthalate	3290.00	330	3333.33		98.7	66 - 138			
Dimethyl phthalate	3210.00	330	3333.33		96.3	70 - 136			
Fluoranthene	3252.00	330	3333.33		97.6	69 - 122			
Fluorene	3132.33	330	3333.33		94.0	67 - 120			
Hexachlorobenzene	3099.67	330	3333.33		93.0	71 - 130			
Hexachlorobutadiene	2748.33	660	3333.33		82.4	57 - 111			
Hexachlorocyclopentadiene	3324.33	660	3333.33		99.7	63 - 135			
Hexachloroethane	2927.33	330	3333.33		87.8	60 - 107			
Indeno(1,2,3-cd)pyrene	3524.00	330	3333.33		106	76 - 136			
Isophorone	3231.67	330	3333.33		97.0	63 - 137			
N-Nitroso-di-n propylamine	3110.33	330	3333.33		93.3	59 - 127			
N-Nitrosodiphenylamine	3336.67	330	3333.33		100	70 - 137			
Naphthalene	2753.67	330	3333.33		82.6	62 - 104			
Nitrobenzene	3135.33	330	3333.33		94.1	57 - 127			
Pentachlorophenol	3822.33	1600	3333.33		115	51 - 135			
Phenanthrene	3275.00	330	3333.33		98.3	70 - 121			
Phenol	3889.33	330	3333.33		117	63 - 112			L5
Pyrene	3286.00	330	3333.33		98.6	67 - 123			
Pyridine	2096.67	1600	3333.33		62.9	18 - 106			
Surrogate: 1,2-Dichlorobenzene-d4	*2592*		*3333.33*		*77.8*	*24 - 114*			
Surrogate: 2,4,6-Tribromophenol	*2837*		*3333.33*		*85.1*	*0 - 189*			
Surrogate: 2-Chlorophenol-d4	*2781*		*3333.33*		*83.4*	*23 - 123*			
Surrogate: 2-Fluorobiphenyl	*2749*		*3333.33*		*82.5*	*28 - 128*			
Surrogate: 2-Fluorophenol	*2693*		*3333.33*		*80.8*	*8 - 138*			
Surrogate: 4-Terphenyl-d14	*2783*		*3333.33*		*83.5*	*27 - 154*			
Surrogate: Nitrobenzene-d5	*2918*		*3333.33*		*87.5*	*19 - 129*			
Surrogate: Phenol-d5	*2691*		*3333.33*		*80.7*	*20 - 126*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0606 - MSSEMI_S (continued)									
Matrix Spike (B5G0606-MS1)		**Source: 1502586-10**		Prepared: 7/29/2015 Analyzed: 7/29/2015					
1,2,4-Trichlorobenzene	2995.33	330	3333.33	ND	89.9	56 - 112			
1,2-Dichlorobenzene	2927.33	330	3333.33	ND	87.8	52 - 105			
1,3-Dichlorobenzene	2958.00	330	3333.33	ND	88.7	51 - 105			
1,4-Dichlorobenzene	2694.33	330	3333.33	ND	80.8	50 - 104			
2,4,5-Trichlorophenol	3746.33	330	3333.33	ND	112	41 - 145			
2,4,6-Trichlorophenol	4469.33	330	3333.33	ND	134	35 - 147			
2,4-Dichlorophenol	4210.67	1600	3333.33	ND	126	50 - 120			M7
2,4-Dimethylphenol	3775.67	330	3333.33	ND	113	56 - 108			M7
2,4-Dinitrophenol	3858.00	1600	3333.33	ND	116	0 - 167			
2,4-Dinitrotoluene	3514.00	330	3333.33	ND	105	60 - 146			
2,6-Dinitrotoluene	3688.33	330	3333.33	ND	111	65 - 138			
2-Chloronaphthalene	3166.67	330	3333.33	ND	95.0	62 - 127			
2-Chlorophenol	3855.67	330	3333.33	ND	116	48 - 112			M7
2-Methylnaphthalene	3350.33	330	3333.33	ND	101	61 - 120			
2-Methylphenol	3305.00	330	3333.33	ND	99.2	53 - 107			
2-Nitroaniline	4405.33	1600	3333.33	ND	132	53 - 140			
2-Nitrophenol	4354.00	330	3333.33	ND	131	43 - 127			M7
3,3´-Dichlorobenzidine	3922.33	660	3333.33	ND	118	39 - 149			
3-Nitroaniline	3727.00	1600	3333.33	ND	112	47 - 127			
4,6-Dinitro-2-methyphenol	5190.00	1600	3333.33	ND	156	28 - 158			
4-Bromophenyl-phenylether	3057.33	330	3333.33	ND	91.7	67 - 137			
4-Chloro-3-methylphenol	4344.33	660	3333.33	ND	130	38 - 120			M7
4-Chloroaniline	3068.00	660	3333.33	ND	92.0	53 - 104			
4-Chlorophenyl-phenylether	3004.00	330	3333.33	ND	90.1	58 - 143			
4-Methylphenol	3503.33	330	3333.33	ND	105	59 - 116			
4-Nitroaniline	3851.00	1600	3333.33	ND	116	49 - 142			
4-Nitrophenol	5313.00	330	3333.33	ND	159	30 - 155			M7
Acenaphthene	3140.67	330	3333.33	ND	94.2	56 - 116			
Acenaphthylene	3083.33	330	3333.33	ND	92.5	57 - 118			
Anthracene	3459.67	330	3333.33	ND	104	63 - 129			
Benzidine (M)	1960.00	1600	3333.33	ND	58.8	29 - 127			
Benzo(a)anthracene	3107.67	330	3333.33	ND	93.2	69 - 114			
Benzo(a)pyrene	3310.67	330	3333.33	ND	99.3	67 - 127			
Benzo(b)fluoranthene	3313.33	330	3333.33	ND	99.4	68 - 122			
Benzo(g,h,i)perylene	3124.33	330	3333.33	ND	93.7	50 - 138			
Benzo(k)fluoranthene	3108.33	330	3333.33	ND	93.2	60 - 125			
Benzoic acid	1431.33	1600	3333.33	ND	42.9	0 - 215			
Benzyl alcohol	3489.67	660	3333.33	ND	105	54 - 117			
bis(2-chloroethoxy)methane	2714.67	330	3333.33	ND	81.4	54 - 119			
bis(2-Chloroethyl)ether	2672.33	330	3333.33	ND	80.2	41 - 118			
bis(2-chloroisopropyl)ether	3682.67	330	3333.33	ND	110	33 - 123			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0606 - MSSEMI_S (continued)									
Matrix Spike (B5G0606-MS1) - Continued		**Source: 1502586-10**		Prepared: 7/29/2015 Analyzed: 7/29/2015					
bis(2-ethylhexyl)phthalate	3357.67	330	3333.33	ND	101	53 - 158			
Butylbenzylphthalate	3589.67	330	3333.33	ND	108	53 - 152			
Chrysene	2923.33	330	3333.33	ND	87.7	62 - 113			
Di-n-butylphthalate	3616.00	330	3333.33	ND	108	57 - 158			
Di-n-octylphthalate	3547.67	330	3333.33	ND	106	38 - 166			
Dibenz(a,h)anthracene	3393.67	330	3333.33	ND	102	52 - 142			
Dibenzofuran	3441.00	330	3333.33	ND	103	54 - 134			
Diethyl phthalate	3314.67	330	3333.33	ND	99.4	61 - 140			
Dimethyl phthalate	3270.33	330	3333.33	ND	98.1	63 - 137			
Fluoranthene	3223.33	330	3333.33	ND	96.7	55 - 133			
Fluorene	3127.33	330	3333.33	ND	93.8	54 - 131			
Hexachlorobenzene	3125.33	330	3333.33	ND	93.8	65 - 134			
Hexachlorobutadiene	2811.33	660	3333.33	ND	84.3	48 - 114			
Hexachlorocyclopentadiene	3431.67	660	3333.33	ND	103	50 - 142			
Hexachloroethane	2907.00	330	3333.33	ND	87.2	43 - 119			
Indeno(1,2,3-cd)pyrene	3542.00	330	3333.33	ND	106	56 - 149			
Isophorone	3314.00	330	3333.33	ND	99.4	56 - 136			
N-Nitroso-di-n propylamine	3101.00	330	3333.33	ND	93.0	47 - 130			
N-Nitrosodiphenylamine	3382.00	330	3333.33	ND	101	70 - 137			
Naphthalene	2804.33	330	3333.33	ND	84.1	54 - 105			
Nitrobenzene	3163.00	330	3333.33	ND	94.9	47 - 130			
Pentachlorophenol	3838.67	1600	3333.33	ND	115	18 - 160			
Phenanthrene	3274.33	330	3333.33	ND	98.2	50 - 140			
Phenol	3933.00	330	3333.33	ND	118	55 - 112			M7
Pyrene	3243.33	330	3333.33	ND	97.3	54 - 135			
Pyridine	2013.67	1600	3333.33	ND	60.4	0 - 139			
Surrogate: 1,2-Dichlorobenzene-d4	*2445*		*3333.33*		*73.3*	*24 - 114*			
Surrogate: 2,4,6-Tribromophenol	*2816*		*3333.33*		*84.5*	*0 - 189*			
Surrogate: 2-Chlorophenol-d4	*2727*		*3333.33*		*81.8*	*23 - 123*			
Surrogate: 2-Fluorobiphenyl	*2703*		*3333.33*		*81.1*	*28 - 128*			
Surrogate: 2-Fluorophenol	*2658*		*3333.33*		*79.8*	*8 - 138*			
Surrogate: 4-Terphenyl-d14	*2783*		*3333.33*		*83.5*	*27 - 154*			
Surrogate: Nitrobenzene-d5	*2874*		*3333.33*		*86.2*	*19 - 129*			
Surrogate: Phenol-d5	*2671*		*3333.33*		*80.1*	*20 - 126*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0606 - MSSEMI_S (continued)									
Matrix Spike Dup (B5G0606-MSD1)		**Source: 1502586-10**		Prepared: 7/29/2015 Analyzed: 7/29/2015					
1,2,4-Trichlorobenzene	2951.67	330	3333.33	ND	88.6	56 - 112	1.47	20	
1,2-Dichlorobenzene	2871.67	330	3333.33	ND	86.2	52 - 105	1.92	20	
1,3-Dichlorobenzene	2954.33	330	3333.33	ND	88.6	51 - 105	0.124	20	
1,4-Dichlorobenzene	2664.00	330	3333.33	ND	79.9	50 - 104	1.13	20	
2,4,5-Trichlorophenol	3847.00	330	3333.33	ND	115	41 - 145	2.65	20	
2,4,6-Trichlorophenol	4641.00	330	3333.33	ND	139	35 - 147	3.77	20	
2,4-Dichlorophenol	4202.67	1600	3333.33	ND	126	50 - 120	0.190	20	M7
2,4-Dimethylphenol	3829.00	330	3333.33	ND	115	56 - 108	1.40	20	M7
2,4-Dinitrophenol	3979.67	1600	3333.33	ND	119	0 - 167	3.10	20	
2,4-Dinitrotoluene	3689.33	330	3333.33	ND	111	60 - 146	4.87	20	
2,6-Dinitrotoluene	3884.00	330	3333.33	ND	117	65 - 138	5.17	20	
2-Chloronaphthalene	3260.00	330	3333.33	ND	97.8	62 - 127	2.90	20	
2-Chlorophenol	3793.67	330	3333.33	ND	114	48 - 112	1.62	20	M7
2-Methylnaphthalene	3350.33	330	3333.33	ND	101	61 - 120	0.00	20	
2-Methylphenol	3293.67	330	3333.33	ND	98.8	53 - 107	0.343	20	
2-Nitroaniline	4570.00	1600	3333.33	ND	137	53 - 140	3.67	20	
2-Nitrophenol	4300.67	330	3333.33	ND	129	43 - 127	1.23	20	M7
3,3´-Dichlorobenzidine	3992.00	660	3333.33	ND	120	39 - 149	1.76	20	
3-Nitroaniline	3933.67	1600	3333.33	ND	118	47 - 127	5.40	20	
4,6-Dinitro-2-methyphenol	5273.33	1600	3333.33	ND	158	28 - 158	1.59	20	M7
4-Bromophenyl-phenylether	3100.67	330	3333.33	ND	93.0	67 - 137	1.41	20	
4-Chloro-3-methylphenol	4387.33	660	3333.33	ND	132	38 - 120	0.985	20	M7
4-Chloroaniline	3125.00	660	3333.33	ND	93.8	53 - 104	1.84	20	
4-Chlorophenyl-phenylether	3092.33	330	3333.33	ND	92.8	58 - 143	2.90	20	
4-Methylphenol	3535.00	330	3333.33	ND	106	59 - 116	0.900	20	
4-Nitroaniline	4198.33	1600	3333.33	ND	126	49 - 142	8.63	20	
4-Nitrophenol	5625.33	330	3333.33	ND	169	30 - 155	5.71	20	M7
Acenaphthene	3214.00	330	3333.33	ND	96.4	56 - 116	2.31	20	
Acenaphthylene	3197.33	330	3333.33	ND	95.9	57 - 118	3.63	20	
Anthracene	3520.67	330	3333.33	ND	106	63 - 129	1.75	20	
Benzidine (M)	3678.67	1600	3333.33	ND	110	29 - 127	61.0	20	R
Benzo(a)anthracene	3116.00	330	3333.33	ND	93.5	69 - 114	0.268	20	
Benzo(a)pyrene	3391.67	330	3333.33	ND	102	67 - 127	2.42	20	
Benzo(b)fluoranthene	3414.00	330	3333.33	ND	102	68 - 122	2.99	20	
Benzo(g,h,i)perylene	3173.33	330	3333.33	ND	95.2	50 - 138	1.56	20	
Benzo(k)fluoranthene	3130.00	330	3333.33	ND	93.9	60 - 125	0.695	20	
Benzoic acid	1416.67	1600	3333.33	ND	42.5	0 - 215	1.03	20	
Benzyl alcohol	3490.33	660	3333.33	ND	105	54 - 117	0.0191	20	
bis(2-chloroethoxy)methane	2717.33	330	3333.33	ND	81.5	54 - 119	0.0982	20	
bis(2-Chloroethyl)ether	2700.33	330	3333.33	ND	81.0	41 - 118	1.04	20	
bis(2-chloroisopropyl)ether	3660.33	330	3333.33	ND	110	33 - 123	0.608	20	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0606 - MSSEMI_S (continued)									
Matrix Spike Dup (B5G0606-MSD1) - Continued		**Source: 1502586-10**		Prepared: 7/29/2015 Analyzed: 7/29/2015					
bis(2-ethylhexyl)phthalate	3337.00	330	3333.33	ND	100	53 - 158	0.617	20	
Butylbenzylphthalate	3607.67	330	3333.33	ND	108	53 - 152	0.500	20	
Chrysene	2928.00	330	3333.33	ND	87.8	62 - 113	0.160	20	
Di-n-butylphthalate	3717.00	330	3333.33	ND	112	57 - 158	2.75	20	
Di-n-octylphthalate	3604.00	330	3333.33	ND	108	38 - 166	1.58	20	
Dibenz(a,h)anthracene	3449.00	330	3333.33	ND	103	52 - 142	1.62	20	
Dibenzofuran	3548.67	330	3333.33	ND	106	54 - 134	3.08	20	
Diethyl phthalate	3423.67	330	3333.33	ND	103	61 - 140	3.24	20	
Dimethyl phthalate	3397.00	330	3333.33	ND	102	63 - 137	3.80	20	
Fluoranthene	3340.00	330	3333.33	ND	100	55 - 133	3.56	20	
Fluorene	3275.33	330	3333.33	ND	98.3	54 - 131	4.62	20	
Hexachlorobenzene	3183.00	330	3333.33	ND	95.5	65 - 134	1.83	20	
Hexachlorobutadiene	2756.00	660	3333.33	ND	82.7	48 - 114	1.99	20	
Hexachlorocyclopentadiene	3409.00	660	3333.33	ND	102	50 - 142	0.663	20	
Hexachloroethane	2906.67	330	3333.33	ND	87.2	43 - 119	0.0115	20	
Indeno(1,2,3-cd)pyrene	3579.33	330	3333.33	ND	107	56 - 149	1.05	20	
Isophorone	3362.33	330	3333.33	ND	101	56 - 136	1.45	20	
N-Nitroso-di-n propylamine	3179.67	330	3333.33	ND	95.4	47 - 130	2.51	20	
N-Nitrosodiphenylamine	3484.33	330	3333.33	ND	105	70 - 137	2.98	20	
Naphthalene	2806.67	330	3333.33	ND	84.2	54 - 105	0.0832	20	
Nitrobenzene	3146.33	330	3333.33	ND	94.4	47 - 130	0.528	20	
Pentachlorophenol	3899.33	1600	3333.33	ND	117	18 - 160	1.57	20	
Phenanthrene	3384.67	330	3333.33	ND	102	50 - 140	3.31	20	
Phenol	3910.33	330	3333.33	ND	117	55 - 112	0.578	20	M7
Pyrene	3372.33	330	3333.33	ND	101	54 - 135	3.90	20	
Pyridine	2138.67	1600	3333.33	ND	64.2	0 - 139	6.02	20	
Surrogate: 1,2-Dichlorobenzene-d4	*2331*		*3333.33*		*69.9*	*24 - 114*			
Surrogate: 2,4,6-Tribromophenol	*2982*		*3333.33*		*89.5*	*0 - 189*			
Surrogate: 2-Chlorophenol-d4	*2718*		*3333.33*		*81.5*	*23 - 123*			
Surrogate: 2-Fluorobiphenyl	*2756*		*3333.33*		*82.7*	*28 - 128*			
Surrogate: 2-Fluorophenol	*2639*		*3333.33*		*79.2*	*8 - 138*			
Surrogate: 4-Terphenyl-d14	*2730*		*3333.33*		*81.9*	*27 - 154*			
Surrogate: Nitrobenzene-d5	*2874*		*3333.33*		*86.2*	*19 - 129*			
Surrogate: Phenol-d5	*2669*		*3333.33*		*80.1*	*20 - 126*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0666 - MSSEMI_S									
Blank (B5G0666-BLK1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
1,2,4-Trichlorobenzene	ND	330			NR				
1,2-Dichlorobenzene	ND	330			NR				
1,3-Dichlorobenzene	ND	330			NR				
1,4-Dichlorobenzene	ND	330			NR				
2,4,5-Trichlorophenol	ND	330			NR				
2,4,6-Trichlorophenol	ND	330			NR				
2,4-Dichlorophenol	ND	1600			NR				
2,4-Dimethylphenol	ND	330			NR				
2,4-Dinitrophenol	ND	1600			NR				
2,4-Dinitrotoluene	ND	330			NR				
2,6-Dinitrotoluene	ND	330			NR				
2-Chloronaphthalene	ND	330			NR				
2-Chlorophenol	ND	330			NR				
2-Methylnaphthalene	ND	330			NR				
2-Methylphenol	ND	330			NR				
2-Nitroaniline	ND	1600			NR				
2-Nitrophenol	ND	330			NR				
3,3´-Dichlorobenzidine	ND	660			NR				
3-Nitroaniline	ND	1600			NR				
4,6-Dinitro-2-methyphenol	ND	1600			NR				
4-Bromophenyl-phenylether	ND	330			NR				
4-Chloro-3-methylphenol	ND	660			NR				
4-Chloroaniline	ND	660			NR				
4-Chlorophenyl-phenylether	ND	330			NR				
4-Methylphenol	ND	330			NR				
4-Nitroaniline	ND	1600			NR				
4-Nitrophenol	ND	330			NR				
Acenaphthene	ND	330			NR				
Acenaphthylene	ND	330			NR				
Anthracene	ND	330			NR				
Benzidine (M)	ND	1600			NR				
Benzo(a)anthracene	ND	330			NR				
Benzo(a)pyrene	ND	330			NR				
Benzo(b)fluoranthene	ND	330			NR				
Benzo(g,h,i)perylene	ND	330			NR				
Benzo(k)fluoranthene	ND	330			NR				
Benzoic acid	ND	1600			NR				
Benzyl alcohol	ND	660			NR				
bis(2-chloroethoxy)methane	ND	330			NR				
bis(2-Chloroethyl)ether	ND	330			NR				
bis(2-chloroisopropyl)ether	ND	330			NR				

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0666 - MSSEMI_S (continued)									
Blank (B5G0666-BLK1) - Continued				Prepared: 7/31/2015 Analyzed: 7/31/2015					
bis(2-ethylhexyl)phthalate	ND	330			NR				
Butylbenzylphthalate	ND	330			NR				
Chrysene	ND	330			NR				
Di-n-butylphthalate	ND	330			NR				
Di-n-octylphthalate	ND	330			NR				
Dibenz(a,h)anthracene	ND	330			NR				
Dibenzofuran	ND	330			NR				
Diethyl phthalate	ND	330			NR				
Dimethyl phthalate	ND	330			NR				
Fluoranthene	ND	330			NR				
Fluorene	ND	330			NR				
Hexachlorobenzene	ND	330			NR				
Hexachlorobutadiene	ND	660			NR				
Hexachlorocyclopentadiene	ND	660			NR				
Hexachloroethane	ND	330			NR				
Indeno(1,2,3-cd)pyrene	ND	330			NR				
Isophorone	ND	330			NR				
N-Nitroso-di-n propylamine	ND	330			NR				
N-Nitrosodiphenylamine	ND	330			NR				
Naphthalene	ND	330			NR				
Nitrobenzene	ND	330			NR				
Pentachlorophenol	ND	1600			NR				
Phenanthrene	ND	330			NR				
Phenol	ND	330			NR				
Pyrene	ND	330			NR				
Pyridine	ND	1600			NR				
Surrogate: 1,2-Dichlorobenzene-d4	*2005*		*3333.33*		*60.2*	*24 - 114*			
Surrogate: 2,4,6-Tribromophenol	*1952*		*3333.33*		*58.6*	*0 - 189*			
Surrogate: 2-Chlorophenol-d4	*2093*		*3333.33*		*62.8*	*23 - 123*			
Surrogate: 2-Fluorobiphenyl	*2134*		*3333.33*		*64.0*	*28 - 128*			
Surrogate: 2-Fluorophenol	*2148*		*3333.33*		*64.4*	*8 - 138*			
Surrogate: 4-Terphenyl-d14	*2796*		*3333.33*		*83.9*	*27 - 154*			
Surrogate: Nitrobenzene-d5	*2237*		*3333.33*		*67.1*	*19 - 129*			
Surrogate: Phenol-d5	*1997*		*3333.33*		*59.9*	*20 - 126*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0666 - MSSEMI_S (continued)									
LCS (B5G0666-BS1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
1,2,4-Trichlorobenzene	2514.67	330	3333.33		75.4	67 - 110			
1,2-Dichlorobenzene	2649.00	330	3333.33		79.5	64 - 104			
1,3-Dichlorobenzene	2679.67	330	3333.33		80.4	63 - 104			
1,4-Dichlorobenzene	2434.67	330	3333.33		73.0	62 - 102			
2,4,5-Trichlorophenol	3160.33	330	3333.33		94.8	69 - 129			
2,4,6-Trichlorophenol	3817.00	330	3333.33		115	66 - 127			
2,4-Dichlorophenol	3634.00	1600	3333.33		109	64 - 116			
2,4-Dimethylphenol	3286.67	330	3333.33		98.6	61 - 111			
2,4-Dinitrophenol	3578.33	1600	3333.33		107	33 - 138			
2,4-Dinitrotoluene	3185.67	330	3333.33		95.6	76 - 137			
2,6-Dinitrotoluene	3303.00	330	3333.33		99.1	76 - 132			
2-Chloronaphthalene	2756.67	330	3333.33		82.7	67 - 126			
2-Chlorophenol	3466.00	330	3333.33		104	65 - 105			
2-Methylnaphthalene	2952.00	330	3333.33		88.6	68 - 121			
2-Methylphenol	2983.67	330	3333.33		89.5	66 - 103			
2-Nitroaniline	4089.33	1600	3333.33		123	62 - 137			
2-Nitrophenol	3797.00	330	3333.33		114	60 - 122			
3,3´-Dichlorobenzidine	3211.33	660	3333.33		96.3	61 - 128			
3-Nitroaniline	3319.67	1600	3333.33		99.6	61 - 118			
4,6-Dinitro-2-methyphenol	4553.33	1600	3333.33		137	57 - 146			
4-Bromophenyl-phenylether	2642.00	330	3333.33		79.3	71 - 135			
4-Chloro-3-methylphenol	3873.67	660	3333.33		116	72 - 124			
4-Chloroaniline	2741.33	660	3333.33		82.2	59 - 108			
4-Chlorophenyl-phenylether	2601.33	330	3333.33		78.0	71 - 135			
4-Methylphenol	3158.67	330	3333.33		94.8	72 - 113			
4-Nitroaniline	3595.00	1600	3333.33		108	70 - 130			
4-Nitrophenol	5085.33	330	3333.33		153	55 - 146			L5
Acenaphthene	2799.67	330	3333.33		84.0	66 - 112			
Acenaphthylene	2729.33	330	3333.33		81.9	66 - 114			
Anthracene	3076.67	330	3333.33		92.3	72 - 123			
Benzidine (M)	4133.33	1600	3333.33		124	43 - 155			
Benzo(a)anthracene	2719.67	330	3333.33		81.6	73 - 115			
Benzo(a)pyrene	3013.00	330	3333.33		90.4	78 - 125			
Benzo(b)fluoranthene	2988.00	330	3333.33		89.6	71 - 127			
Benzo(g,h,i)perylene	2799.00	330	3333.33		84.0	73 - 120			
Benzo(k)fluoranthene	2846.00	330	3333.33		85.4	72 - 121			
Benzoic acid	1533.67	1600	3333.33		46.0	19 - 133			
Benzyl alcohol	3041.67	660	3333.33		91.3	65 - 119			
bis(2-chloroethoxy)methane	2341.00	330	3333.33		70.2	62 - 118			
bis(2-Chloroethyl)ether	2395.67	330	3333.33		71.9	55 - 111			
bis(2-chloroisopropyl)ether	3399.33	330	3333.33		102	34 - 131			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0666 - MSSEMI_S (continued)									
LCS (B5G0666-BS1) - Continued				Prepared: 7/31/2015 Analyzed: 7/31/2015					
bis(2-ethylhexyl)phthalate	3149.67	330	3333.33		94.5	51 - 165			
Butylbenzylphthalate	3381.33	330	3333.33		101	54 - 155			
Chrysene	2594.67	330	3333.33		77.8	70 - 110			
Di-n-butylphthalate	3370.33	330	3333.33		101	65 - 155			
Di-n-octylphthalate	3478.00	330	3333.33		104	59 - 151			
Dibenz(a,h)anthracene	3029.33	330	3333.33		90.9	72 - 132			
Dibenzofuran	3035.33	330	3333.33		91.1	67 - 124			
Diethyl phthalate	3097.67	330	3333.33		92.9	66 - 138			
Dimethyl phthalate	2970.67	330	3333.33		89.1	70 - 136			
Fluoranthene	2851.33	330	3333.33		85.5	69 - 122			
Fluorene	2834.00	330	3333.33		85.0	67 - 120			
Hexachlorobenzene	2683.33	330	3333.33		80.5	71 - 130			
Hexachlorobutadiene	2442.00	660	3333.33		73.3	57 - 111			
Hexachlorocyclopentadiene	2911.00	660	3333.33		87.3	63 - 135			
Hexachloroethane	2705.33	330	3333.33		81.2	60 - 107			
Indeno(1,2,3-cd)pyrene	3183.00	330	3333.33		95.5	76 - 136			
Isophorone	2895.00	330	3333.33		86.9	63 - 137			
N-Nitroso-di-n propylamine	2831.67	330	3333.33		85.0	59 - 127			
N-Nitrosodiphenylamine	3014.33	330	3333.33		90.4	70 - 137			
Naphthalene	2492.67	330	3333.33		74.8	62 - 104			
Nitrobenzene	2827.33	330	3333.33		84.8	57 - 127			
Pentachlorophenol	3329.00	1600	3333.33		99.9	51 - 135			
Phenanthrene	2931.33	330	3333.33		87.9	70 - 121			
Phenol	3487.00	330	3333.33		105	63 - 112			
Pyrene	2837.33	330	3333.33		85.1	67 - 123			
Pyridine	1949.67	1600	3333.33		58.5	18 - 106			
Surrogate: 1,2-Dichlorobenzene-d4	*2395*		*3333.33*		*71.8*	*24 - 114*			
Surrogate: 2,4,6-Tribromophenol	*2501*		*3333.33*		*75.0*	*0 - 189*			
Surrogate: 2-Chlorophenol-d4	*2583*		*3333.33*		*77.5*	*23 - 123*			
Surrogate: 2-Fluorobiphenyl	*2582*		*3333.33*		*77.5*	*28 - 128*			
Surrogate: 2-Fluorophenol	*2519*		*3333.33*		*75.6*	*8 - 138*			
Surrogate: 4-Terphenyl-d14	*2643*		*3333.33*		*79.3*	*27 - 154*			
Surrogate: Nitrobenzene-d5	*2707*		*3333.33*		*81.2*	*19 - 129*			
Surrogate: Phenol-d5	*2438*		*3333.33*		*73.1*	*20 - 126*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0666 - MSSEMI_S (continued)									
Matrix Spike (B5G0666-MS1)		**Source: 1502586-31**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
1,2,4-Trichlorobenzene	2278.00	330	3333.33	ND	68.3	56 - 112			
1,2-Dichlorobenzene	2105.00	330	3333.33	ND	63.2	52 - 105			
1,3-Dichlorobenzene	2108.33	330	3333.33	ND	63.2	51 - 105			
1,4-Dichlorobenzene	1907.00	330	3333.33	ND	57.2	50 - 104			
2,4,5-Trichlorophenol	3430.33	330	3333.33	ND	103	41 - 145			
2,4,6-Trichlorophenol	4101.00	330	3333.33	ND	123	35 - 147			
2,4-Dichlorophenol	3550.33	1600	3333.33	ND	107	50 - 120			
2,4-Dimethylphenol	3224.00	330	3333.33	ND	96.7	56 - 108			
2,4-Dinitrophenol	3963.67	1600	3333.33	ND	119	0 - 167			
2,4-Dinitrotoluene	3365.67	330	3333.33	ND	101	60 - 146			
2,6-Dinitrotoluene	3541.67	330	3333.33	ND	106	65 - 138			
2-Chloronaphthalene	2847.00	330	3333.33	ND	85.4	62 - 127			
2-Chlorophenol	2924.67	330	3333.33	ND	87.7	48 - 112			
2-Methylnaphthalene	2891.00	330	3333.33	ND	86.7	61 - 120			
2-Methylphenol	2715.33	330	3333.33	ND	81.5	53 - 107			
2-Nitroaniline	4310.00	1600	3333.33	ND	129	53 - 140			
2-Nitrophenol	3504.67	330	3333.33	ND	105	43 - 127			
3,3´-Dichlorobenzidine	3688.67	660	3333.33	ND	111	39 - 149			
3-Nitroaniline	3634.33	1600	3333.33	ND	109	47 - 127			
4,6-Dinitro-2-methyphenol	4898.00	1600	3333.33	ND	147	28 - 158			
4-Bromophenyl-phenylether	2826.67	330	3333.33	ND	84.8	67 - 137			
4-Chloro-3-methylphenol	4138.67	660	3333.33	ND	124	38 - 120			M7
4-Chloroaniline	2756.00	660	3333.33	ND	82.7	53 - 104			
4-Chlorophenyl-phenylether	2754.00	330	3333.33	ND	82.6	58 - 143			
4-Methylphenol	2979.33	330	3333.33	ND	89.4	59 - 116			
4-Nitroaniline	3836.67	1600	3333.33	ND	115	49 - 142			
4-Nitrophenol	5353.00	330	3333.33	ND	161	30 - 155			M7
Acenaphthene	2984.67	330	3333.33	ND	89.5	56 - 116			
Acenaphthylene	2879.33	330	3333.33	ND	86.4	57 - 118			
Anthracene	3333.33	330	3333.33	ND	100	63 - 129			
Benzidine (M)	1860.33	1600	3333.33	ND	55.8	29 - 127			
Benzo(a)anthracene	2909.33	330	3333.33	ND	87.3	69 - 114			
Benzo(a)pyrene	3166.67	330	3333.33	ND	95.0	67 - 127			
Benzo(b)fluoranthene	3134.00	330	3333.33	ND	94.0	68 - 122			
Benzo(g,h,i)perylene	2946.67	330	3333.33	ND	88.4	50 - 138			
Benzo(k)fluoranthene	2948.00	330	3333.33	ND	88.4	60 - 125			
Benzoic acid	1688.00	1600	3333.33	ND	50.6	0 - 215			
Benzyl alcohol	2835.33	660	3333.33	ND	85.1	54 - 117			
bis(2-chloroethoxy)methane	2270.00	330	3333.33	ND	68.1	54 - 119			
bis(2-Chloroethyl)ether	2050.67	330	3333.33	ND	61.5	41 - 118			
bis(2-chloroisopropyl)ether	2973.33	330	3333.33	ND	89.2	33 - 123			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0666 - MSSEMI_S (continued)									
Matrix Spike (B5G0666-MS1) - Continued		**Source: 1502586-31**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
bis(2-ethylhexyl)phthalate	3367.00	330	3333.33	ND	101	53 - 158			
Butylbenzylphthalate	3611.00	330	3333.33	ND	108	53 - 152			
Chrysene	2750.33	330	3333.33	ND	82.5	62 - 113			
Di-n-butylphthalate	3611.67	330	3333.33	ND	108	57 - 158			
Di-n-octylphthalate	3615.67	330	3333.33	ND	108	38 - 166			
Dibenz(a,h)anthracene	3234.67	330	3333.33	ND	97.0	52 - 142			
Dibenzofuran	3233.33	330	3333.33	ND	97.0	54 - 134			
Diethyl phthalate	3245.00	330	3333.33	ND	97.4	61 - 140			
Dimethyl phthalate	3142.67	330	3333.33	ND	94.3	63 - 137			
Fluoranthene	3043.00	330	3333.33	ND	91.3	55 - 133			
Fluorene	3015.67	330	3333.33	ND	90.5	54 - 131			
Hexachlorobenzene	2884.00	330	3333.33	ND	86.5	65 - 134			
Hexachlorobutadiene	2116.67	660	3333.33	ND	63.5	48 - 114			
Hexachlorocyclopentadiene	2835.00	660	3333.33	ND	85.1	50 - 142			
Hexachloroethane	2101.67	330	3333.33	ND	63.1	43 - 119			
Indeno(1,2,3-cd)pyrene	3383.33	330	3333.33	ND	102	56 - 149			
Isophorone	2904.67	330	3333.33	ND	87.1	56 - 136			
N-Nitroso-di-n propylamine	2691.33	330	3333.33	ND	80.7	47 - 130			
N-Nitrosodiphenylamine	3257.67	330	3333.33	ND	97.7	70 - 137			
Naphthalene	2287.33	330	3333.33	ND	68.6	54 - 105			
Nitrobenzene	2581.00	330	3333.33	ND	77.4	47 - 130			
Pentachlorophenol	3633.00	1600	3333.33	ND	109	18 - 160			
Phenanthrene	3174.67	330	3333.33	ND	95.2	50 - 140			
Phenol	3134.00	330	3333.33	ND	94.0	55 - 112			
Pyrene	3096.33	330	3333.33	ND	92.9	54 - 135			
Pyridine	1483.33	1600	3333.33	ND	44.5	0 - 139			
Surrogate: 1,2-Dichlorobenzene-d4	*1754*		*3333.33*		*52.6*	*24 - 114*			
Surrogate: 2,4,6-Tribromophenol	*2606*		*3333.33*		*78.2*	*0 - 189*			
Surrogate: 2-Chlorophenol-d4	*2053*		*3333.33*		*61.6*	*23 - 123*			
Surrogate: 2-Fluorobiphenyl	*2384*		*3333.33*		*71.5*	*28 - 128*			
Surrogate: 2-Fluorophenol	*1897*		*3333.33*		*56.9*	*8 - 138*			
Surrogate: 4-Terphenyl-d14	*2599*		*3333.33*		*78.0*	*27 - 154*			
Surrogate: Nitrobenzene-d5	*2289*		*3333.33*		*68.7*	*19 - 129*			
Surrogate: Phenol-d5	*2078*		*3333.33*		*62.4*	*20 - 126*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0666 - MSSEMI_S (continued)									
Matrix Spike Dup (B5G0666-MSD1)		**Source: 1502586-31**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
1,2,4-Trichlorobenzene	2457.67	330	3333.33	ND	73.7	56 - 112	7.59	20	
1,2-Dichlorobenzene	2217.33	330	3333.33	ND	66.5	52 - 105	5.20	20	
1,3-Dichlorobenzene	2220.33	330	3333.33	ND	66.6	51 - 105	5.17	20	
1,4-Dichlorobenzene	1995.33	330	3333.33	ND	59.9	50 - 104	4.53	20	
2,4,5-Trichlorophenol	3735.33	330	3333.33	ND	112	41 - 145	8.51	20	
2,4,6-Trichlorophenol	4536.00	330	3333.33	ND	136	35 - 147	10.1	20	
2,4-Dichlorophenol	3960.67	1600	3333.33	ND	119	50 - 120	10.9	20	
2,4-Dimethylphenol	3582.33	330	3333.33	ND	107	56 - 108	10.5	20	
2,4-Dinitrophenol	4243.00	1600	3333.33	ND	127	0 - 167	6.81	20	
2,4-Dinitrotoluene	3713.67	330	3333.33	ND	111	60 - 146	9.83	20	
2,6-Dinitrotoluene	3904.00	330	3333.33	ND	117	65 - 138	9.73	20	
2-Chloronaphthalene	3138.00	330	3333.33	ND	94.1	62 - 127	9.72	20	
2-Chlorophenol	3151.00	330	3333.33	ND	94.5	48 - 112	7.45	20	
2-Methylnaphthalene	3193.33	330	3333.33	ND	95.8	61 - 120	9.94	20	
2-Methylphenol	2996.33	330	3333.33	ND	89.9	53 - 107	9.84	20	
2-Nitroaniline	4758.33	1600	3333.33	ND	143	53 - 140	9.89	20	M7
2-Nitrophenol	3888.33	330	3333.33	ND	117	43 - 127	10.4	20	
3,3´-Dichlorobenzidine	3981.00	660	3333.33	ND	119	39 - 149	7.62	20	
3-Nitroaniline	3962.33	1600	3333.33	ND	119	47 - 127	8.64	20	
4,6-Dinitro-2-methyphenol	5406.67	1600	3333.33	ND	162	28 - 158	9.87	20	M7
4-Bromophenyl-phenylether	3121.33	330	3333.33	ND	93.6	67 - 137	9.91	20	
4-Chloro-3-methylphenol	4512.33	660	3333.33	ND	135	38 - 120	8.64	20	M7
4-Chloroaniline	3051.00	660	3333.33	ND	91.5	53 - 104	10.2	20	
4-Chlorophenyl-phenylether	3039.33	330	3333.33	ND	91.2	58 - 143	9.85	20	
4-Methylphenol	3277.00	330	3333.33	ND	98.3	59 - 116	9.52	20	
4-Nitroaniline	4157.67	1600	3333.33	ND	125	49 - 142	8.03	20	
4-Nitrophenol	5916.67	330	3333.33	ND	178	30 - 155	10.0	20	M7
Acenaphthene	3268.00	330	3333.33	ND	98.0	56 - 116	9.06	20	
Acenaphthylene	3182.33	330	3333.33	ND	95.5	57 - 118	10.0	20	
Anthracene	3640.67	330	3333.33	ND	109	63 - 129	8.81	20	
Benzidine (M)	1735.00	1600	3333.33	ND	52.1	29 - 127	6.97	20	
Benzo(a)anthracene	3191.00	330	3333.33	ND	95.7	69 - 114	9.23	20	
Benzo(a)pyrene	3457.33	330	3333.33	ND	104	67 - 127	8.78	20	
Benzo(b)fluoranthene	3360.33	330	3333.33	ND	101	68 - 122	6.97	20	
Benzo(g,h,i)perylene	3187.33	330	3333.33	ND	95.6	50 - 138	7.85	20	
Benzo(k)fluoranthene	3303.33	330	3333.33	ND	99.1	60 - 125	11.4	20	
Benzoic acid	1713.00	1600	3333.33	ND	51.4	0 - 215	1.47	20	
Benzyl alcohol	3176.67	660	3333.33	ND	95.3	54 - 117	11.4	20	
bis(2-chloroethoxy)methane	2517.00	330	3333.33	ND	75.5	54 - 119	10.3	20	
bis(2-Chloroethyl)ether	2203.67	330	3333.33	ND	66.1	41 - 118	7.19	20	
bis(2-chloroisopropyl)ether	3199.33	330	3333.33	ND	96.0	33 - 123	7.32	20	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/03/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0666 - MSSEMI_S (continued)									
Matrix Spike Dup (B5G0666-MSD1) - Continued		**Source: 1502586-31**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
bis(2-ethylhexyl)phthalate	3666.00	330	3333.33	ND	110	53 - 158	8.50	20	
Butylbenzylphthalate	3935.33	330	3333.33	ND	118	53 - 152	8.60	20	
Chrysene	3001.33	330	3333.33	ND	90.0	62 - 113	8.73	20	
Di-n-butylphthalate	4022.00	330	3333.33	ND	121	57 - 158	10.8	20	
Di-n-octylphthalate	4048.33	330	3333.33	ND	121	38 - 166	11.3	20	
Dibenz(a,h)anthracene	3568.00	330	3333.33	ND	107	52 - 142	9.80	20	
Dibenzofuran	3573.00	330	3333.33	ND	107	54 - 134	9.98	20	
Diethyl phthalate	3545.33	330	3333.33	ND	106	61 - 140	8.85	20	
Dimethyl phthalate	3447.67	330	3333.33	ND	103	63 - 137	9.26	20	
Fluoranthene	3319.67	330	3333.33	ND	99.6	55 - 133	8.70	20	
Fluorene	3266.67	330	3333.33	ND	98.0	54 - 131	7.99	20	
Hexachlorobenzene	3183.33	330	3333.33	ND	95.5	65 - 134	9.87	20	
Hexachlorobutadiene	2316.67	660	3333.33	ND	69.5	48 - 114	9.02	20	
Hexachlorocyclopentadiene	3046.00	660	3333.33	ND	91.4	50 - 142	7.18	20	
Hexachloroethane	2218.33	330	3333.33	ND	66.6	43 - 119	5.40	20	
Indeno(1,2,3-cd)pyrene	3693.33	330	3333.33	ND	111	56 - 149	8.76	20	
Isophorone	3260.33	330	3333.33	ND	97.8	56 - 136	11.5	20	
N-Nitroso-di-n propylamine	2988.33	330	3333.33	ND	89.6	47 - 130	10.5	20	
N-Nitrosodiphenylamine	3547.33	330	3333.33	ND	106	70 - 137	8.51	20	
Naphthalene	2495.33	330	3333.33	ND	74.9	54 - 105	8.70	20	
Nitrobenzene	2820.00	330	3333.33	ND	84.6	47 - 130	8.85	20	
Pentachlorophenol	3906.67	1600	3333.33	ND	117	18 - 160	7.26	20	
Phenanthrene	3480.33	330	3333.33	ND	104	50 - 140	9.19	20	
Phenol	3430.67	330	3333.33	ND	103	55 - 112	9.04	20	
Pyrene	3358.33	330	3333.33	ND	101	54 - 135	8.12	20	
Pyridine	1551.00	1600	3333.33	ND	46.5	0 - 139	4.46	20	
Surrogate: 1,2-Dichlorobenzene-d4	*1821*		*3333.33*		*54.6*	*24 - 114*			
Surrogate: 2,4,6-Tribromophenol	*2765*		*3333.33*		*82.9*	*0 - 189*			
Surrogate: 2-Chlorophenol-d4	*2176*		*3333.33*		*65.3*	*23 - 123*			
Surrogate: 2-Fluorobiphenyl	*2643*		*3333.33*		*79.3*	*28 - 128*			
Surrogate: 2-Fluorophenol	*2040*		*3333.33*		*61.2*	*8 - 138*			
Surrogate: 4-Terphenyl-d14	*2824*		*3333.33*		*84.7*	*27 - 154*			
Surrogate: Nitrobenzene-d5	*2485*		*3333.33*		*74.6*	*19 - 129*			
Surrogate: Phenol-d5	*2233*		*3333.33*		*67.0*	*20 - 126*			

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/03/2015

Notes and Definitions

S10	Surrogate recovery was outside of laboratory acceptance limit due to possible matrix interference.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
M7	Matrix spike was high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L3	Laboratory control sample outside in-house established limits but within method criteria.
D5	Sample diluted due to failing internal standard in the original run.
D1	Sample required dilution due to possible matrix interference.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 4

Instruction: Complete all shaded areas.

For Laboratory Use Only — ATLCOC Ver: 20130715

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
☐ Client ☑ ATL	1. CHILLED	☑	☐	5. # OF SAMPLES MATCH COC	☑	☐
☐ FedEx ☐ OnTrac	2. HEADSPACE (VOA)	☐	☐	6. PRESERVED	☐	☑
☐ GSO	3. CONTAINER INTACT	☑	☐	7. COOLER TEMP, deg C: 5.C		
☐ Other:	4. SEALED	☐	☑			

CUSTOMER

Company: Geocon, Inc.
Address: 6960 Flanders Drive
City: San Diego
State: CA
Zip: 92121
Tel: (858) 558-6100
Fax: (858) 558-8437

SEND REPORT TO:
Attn: B. EASTMAN
Email: eastman@geoconinc.com
Company: Geocon, Inc.
Address: 6960 Flanders Drive
City: San Diego
State: CA
Zip: 92121

SEND INVOICE TO: ☒ same as SEND REPORT TO
Attn:
Email:
Company:
Address:
City:
State:
Zip:

PROJECT SAMPLES

Project Name: SWEETWATER
Project No.: VISTAS 08125-06-08
Sampler: B. EASTMAN
Quote No:
PO #:
Special Instructions/Comments: PLEASE USE REDUCED RATE SCHEDULE

Encircle or Write Requested Analysis — Encircle Sample Matrix — Container — QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV

ITEM	Lab No.	Sample ID / Location	Date	Time	8260 / 624 (Volatiles)	8015B(GRO)	8015B(DRO)/ORO	8270(Semi-volatiles)	8081(Organochlorine Pesticides)	8082(PCBs)	6010 / 7000(Title 22 Metals)	TO-15	ARSENIC	HOLD	SOIL / SEDIMENT / SLUDGE	SOLIDS / WIPE/ FILTER	WATER - DRINKING / GROUND	WATER - STORM / WASTE	AQUEOUS / LAYERED - OIL	TAT	#	Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7 = Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4 = 4C; 5=Zn ((Ac)2; 6=NaOH; 7=NA2S2O3	REMARKS
1	1502586 -1	B1/5'	7/22/15	0940	X	X	X	X	X	X	X				X					5	1	1	3	4	
2	-2	B1/9'		0950	X	X	X	X	X	X	X				X										
3	-3	B2/3'		1300	X	X	X	X	X	X	X				X										
4	-4	B2/5.5'		1320	X	X	X	X	X	X	X				X										
5	-5	B2/7'		1340	X	X	X	X	X	X	X				X										
6	-6	B3/5'		1440	X	X	X	X	X	X	X				X										
7	-7	B3/10'		1456	X	X	X	X	X	X	X				X										
8	-8	B3/20'		1505					X				X		X										
9	-9	B3/22'		1515										X	X										
10	-10	B4/10'	↓	1620	X	X	X	X	X	X	X				X					↓	↓	↓	↓	↓	

TERMS

1. Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.
2. Samples Submitted AFTER 3:00 PM, are considered received the following Business day at 8:00 AM.
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   - TAT = 0 : 300% Surcharge SAME BUSINESS DAY if received by 9:00 AM
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   - TAT = 2 : 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)
   - TAT = 3 : 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)
   - TAT = 4 : 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)
   - TAT = 5 : NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)
4. Weekend, holiday, after-hours work - ask for quote.
5. Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract lab — ask for quote.
6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days after receipt of samples.
7. Electronic records maintained for five (5) years from report date.
8. Hard copy reports will be disposed of after 45 calendar days from report date.
9. Storage and Report Fees:
   - Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; $2/sample/month if extended storage or hold is requested.
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   - Hard copy and regenerated reports/EDDs: $17.50 per hard copy report requested; $50.00 per regenerated/reformatted report; $35 per reprocessed EDD.
10. Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction on procedure.
11. Unanalyzed samples will incur a disposal fee of $7 per sample.

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

B. EASTMAN — Submitter Print Name
Signature

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
B. EASTMAN	7/23/15	1545	Edward Rodriguez	7-24-15	1545
Edward Rodriguez	7-24-15	1900	Fedex	7/24/15	1900

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
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CHAIN OF CUSTODY RECORD

Page 2 of 4

Instruction: Complete all shaded areas.

For Laboratory Use Only — ATLCOC Ver: 20130715

Method of Transport	Sample Conditions Upon Receipt: Condition	Y	N	Condition	Y	N
☐ Client ☑ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other:	1. CHILLED	☑	☐	5. # OF SAMPLES MATCH COC	☑	☐
	2. HEADSPACE (VOA)	☐	☐	6. PRESERVED	☐	☑
	3. CONTAINER INTACT	☑	☐	7. COOLER TEMP, deg C: 5.6		
	4. SEALED	☐	☑			

CUSTOMER

Company: Geocon, Inc.
Address: 6960 Flanders Drive
City: San Diego State: CA Zip: 92121
Tel: (858) 558-6100
Fax: (858) 558-8437

SEND REPORT TO:
Attn: B. EASTMAN Email: eastman@geocon.com
Company: Geocon, Inc.
Address: 6960 Flanders Drive
City: San Diego State: CA Zip: 92121

SEND INVOICE TO: ☒ same as SEND REPORT TO
Attn: Email:
Company:
Address:
City: State: Zip:

PROJECT SAMPLES

Project Name: SWEETWATER VISTAS
Project No.: 08175-04-08
Sampler: B. EASTMAN
Quote No:
PO #:
Special Instructions/Comments: PLEASE USE REDUCED RATE SCHEDULE

Encircle or Write Requested Analysis: 8260 / 624 (Volatiles); 8015B(GRO); 8015B(DRO) / 8270; 8270(Semi-volatiles); 8081(Organochlorine Pesticides); 8082(PCBs); 6010 / 7000(Title 22 Metals); TO-15; ARSENIC; HOLD

Encircle Sample Matrix: SOIL / SEDIMENT / SLUDGE; SOLIDS / WIPE/ FILTER; WATER - DRINKING / GROUND; WATER - STORM / WASTE; AQUEOUS / LAYERED - OIL

Container: # ; Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7 = Canister; Material: 1=Glass; 2=Plastic; 3=Metal; Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4 = 4C; 5=Zn (Ac)2; 6=NaOH; 7=NA2S2O3

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV

ITEM	Lab No.	Sample ID / Location	Date	Time	8260 / 624	8015B(GRO)	8015B(DRO) / 8270	8270(Semi-volatiles)	8081(Organochlorine Pesticides)	8082(PCBs)	6010 / 7000(Title 22 Metals)	TO-15	ARSENIC	HOLD	TAT	#	Type	Material	Preservative	REMARKS
1	1502526 -11	B4/15'	7/23/15	1630					X				X		5	1	1	2	4	
2	-12	B4/16.5'	↓	1645										X						
3	-13	B5/5'	7/24/15	0745	X	X	X	X	X	X	X									
4	-14	B5/10'		0755	X	X	X	X	X	X	X									
5	-15	B5/15'		0805	X	X	X	X	X	X	X									
6	-16	B5/19'		0815	X	X	X	X	X	X	X									
7	-17	B5/25'		0830					X				X							
8	-18	B7/5'		0830	X	X	X	X	X	X	X									
9	-19	B7/10'		0840	X	X	X	X	X	X	X									
10	-20	B7/15'	↓	0845	X	X	X	X	X	X	X									

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B. EASTMAN
Submitter Print Name — Signature

CUSTODY

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
B. EASTMAN	7/24/15	1545	Edward Rodriguez	7-24-15	1545
Edward Rodriguez	7-24-15	1900	FEDEX	7/24/15	1900

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Instruction: Complete all shaded areas.

For Laboratory Use Only — ATLCOC Ver: 20130715

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
☐ Client ☑ ATL	1. CHILLED	☑	☐	5. # OF SAMPLES MATCH COC	☑	☐
☐ FedEx ☐ OnTrac	2. HEADSPACE (VOA)	☐	☐	6. PRESERVED	☐	☑
☐ GSO	3. CONTAINER INTACT	☑	☐	7. COOLER TEMP, deg C:		
☐ Other: _____	4. SEALED	☐	☑			

CUSTOMER

Company: Geocon, Inc.
Address: 6960 Flanders Drive
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Tel: (858) 558-6100
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SEND REPORT TO:
Attn: B. EASTMAN Email: eastman@geoconinc.com
Company: Geocon, Inc.
Address: 6960 Flanders Drive
City: San Diego State: CA Zip: 92121

SEND INVOICE TO: ☒ Same as SEND REPORT TO
Attn: Email:
Company:
Address:
City: State: Zip:

PROJECT SAMPLES

Project Name: SWEETWATER VISTAS
Project No.: 08175-06-06
Sampler: B. EASTMAN
Quote No:
PO #:
Special Instructions/Comments: PLEASE USE REDUCED RATE SCHEDULE

Encircle or Write Requested Analysis: 8260 / 624 (Volatiles); 8015B(GRO); 8015B(DRO) / ARD; 8270(Semi-volatiles); 8081(Organochlorine Pesticides); 8082(PCBs); 6010 / 7000(Title 22 Metals); TO-15; ARSENIC; HOLD

Encircle Sample Matrix: SOIL / SEDIMENT / SLUDGE; SOLIDS / WIPE/ FILTER; WATER - DRINKING / GROUND; WATER - STORM / WASTE; AQUEOUS / LAYERED - OIL

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV

ITEM	Lab No.	Sample ID / Location	Date	Time	8260 / 624 (Volatiles)	8015B(GRO)	8015B(DRO) / ARD	8270(Semi-volatiles)	8081(Organochlorine Pesticides)	8082(PCBs)	6010 / 7000(Title 22 Metals)	TO-15	ARSENIC	HOLD	SOIL / SEDIMENT / SLUDGE	TAT	Container #	Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7 = Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4 = 4C; 5=Zn ((Ac)2; 6=NaOH; 7=NA2S2O3	REMARKS
1	1502586-21	B7/20'	7/24/15	0950	X	X	X	X	X	X	X				X	5	1	1	3	4	
2	-22	B7/25'		1000	X	X	X	X	X	X	X				X						
3	-23	B7/30'		1010					X				X		X						
4	-24	B7/32'		1020										X	X						
5	-25	B8/5'		1135	X	X	X	X	X	X	X				X						
6	-26	B8/10'		1145	X	X	X	X	X	X	X				X						
7	-27	B8/15'		1155	X	X	X	X	X	X	X				X						
8	-28	B8/20'		1200	X	X	X	X	X	X	X				X						
9	-29	B8/25'		1210					X				X		X						
10	-30	B8/27'	↓	1215										X	X	↓	↓	↓	↓	↓	

TERMS

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B. EASTMAN
Submitter Print Name Signature

CUSTODY

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
B. EASTMAN	7/24/15	1545	Edward Rodriguez	7-24-15	1545
Edward Rodriguez	7-24-15	1900	FEDEX	7/24/15	1900

ADVANCED TECHNOLOGY LABORATORIES
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CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

For Laboratory Use Only — ATLCOC Ver: 20130715

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
☐ Client ☑ ATL	1. CHILLED	☑	☐	5. # OF SAMPLES MATCH COC	☑	☐
☐ FedEx ☐ OnTrac	2. HEADSPACE (VOA)	☐	☐	6. PRESERVED	☐	☑
☐ GSO	3. CONTAINER INTACT	☑	☐	7. COOLER TEMP, degC: 5.6		
☐ Other:	4. SEALED	☐	☑			

CUSTOMER

Company: Geocon, Inc.
Address: 6960 Flanders Drive
City: San Diego State: CA Zip: 92121
Tel: (858) 558-6100
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SEND REPORT TO:
Attn: B. EASTMAN Email: eastman@geocon.com
Company: Geocon, Inc.
Address: 6960 Flanders Drive
City: San Diego State: CA Zip: 92121

SEND INVOICE TO: ☒ same as SEND REPORT TO
Attn: Email:
Company:
Address:
City: State: Zip:

PROJECT SAMPLES

Project Name: SNEATH VISTAS
Project No.: 08175-06-08
Sampler: B. EASTMAN
Quote No:
PO #:
Special Instructions/Comments: PLEASE USE REDUCED RATE SCHEDULE

Encircle or Write Requested Analysis: 8260 / 624 (Volatiles); 8015B(GRO); 8015B(DRO) / OTLP; 8270(Semi-volatiles); 8081(Organochlorine Pesticides); 8082(PCBs); 6010 / 7000(Title 22 Metals); TO-15

Encircle Sample Matrix: SOIL / SEDIMENT / SLUDGE; SOLIDS / WIPE/ FILTER; WATER - DRINKING / GROUND; WATER - STORM / WASTE; AQUEOUS / LAYERED - OIL

TAT; Container: # / Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7 = Canister. / Material: 1=Glass; 2=Plastic; 3=Metal / Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4 = 4C; 5=Zn (Ac)2; 6=NaOH; 7=NAZSO3

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV

ITEM	Lab No.	Sample Description: Sample ID / Location	Date	Time	8260 / 624 (Volatiles)	8015B(GRO)	8015B(DRO) / OTLP	8270(Semi-volatiles)	8081(Organochlorine Pesticides)	8082(PCBs)	6010 / 7000(Title 22 Metals)	TO-15	SOIL / SEDIMENT / SLUDGE	SOLIDS / WIPE/ FILTER	WATER - DRINKING / GROUND	WATER - STORM / WASTE	AQUEOUS / LAYERED - OIL	TAT	#	Type	Material	Preservative	REMARKS
1	1502586-31	B9 / 5'	7/24/15	1315	X	X	X	X	X	X	X		X					5	1				
2	1 -32	B9 / 10'	↓	1320	X	X	X	X	X	X	X		X					↓	↓				
3	1 -33	B9 / 15'	↓	1330	X	X	X	X	X	X	X		X					↓	↓				
4																							
5																							
6																							
7																							
8																							
9																							
10																							

SUBMIT

1. Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.
2. Samples Submitted AFTER 3:00 PM, are considered received the following Business day at 8:00 AM.
3. The following turnaround time conditions apply:
   TAT = 0 : 300% Surcharge SAME BUSINESS DAY if received by 9:00 AM
   TAT = 1 : 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)
   TAT = 2 : 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)
   TAT = 3 : 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)
   TAT = 4 : 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)
   TAT = 5 : NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)
4. Weekend, holiday, after-hours work - ask for quote.
5. Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract lab — ask for quote.
6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days after receipt of samples.
7. Electronic records maintained for five (5) years from report date.
8. Hard copy reports will be disposed of after 45 calendar days from report date.
9. Storage and Report Fees:
   - Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; $2/sample/month if extended storage or hold is requested.
   - Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; $20/ sample/week if extended storage is requested.
   - Hard copy and regenerated reports/EDDs: $17.50 per hard copy report requested; $50.00 per regenerated/reformatted report; $35 per reprocessed EDD.
10. Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction on procedure.
11. Unanalyzed samples will incur a disposal fee of $7 per sample.

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

B. EASTMAN
Submitter Print Name — Signature

CUSTODY

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
B. EASTMAN	7/24/15	1315	Edward Rodriguez	7-24-15	1347
Edward Rodriguez	7-24-15	1400	Edward Rodriguez (To Dun)	7/24/15	1910
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

ADVANCED TECHNOLOGY LABORATORIES

August 05, 2015

Ben Eastman
Geocon, Inc.
6960 Flanders Drive
San Diego, CA 92121
Tel: (858) 558-6100
Fax:(858) 558-8437

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

Re: ATL Work Order Number : 1502626
Client Reference : SWEETWATER VISTAS, 08175-06-08

Enclosed are the results for sample(s) received on July 29, 2015 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B6 / 5'	1502626-01	Soil	7/27/15 9:37	7/29/15 14:00
B6 / 10'	1502626-02	Soil	7/27/15 9:47	7/29/15 14:00
B6 / 20'	1502626-03	Soil	7/27/15 10:18	7/29/15 14:00
B6 / 25'	1502626-04	Soil	7/27/15 10:38	7/29/15 14:00
B10 / 5'	1502626-05	Soil	7/27/15 11:52	7/29/15 14:00
B10 / 20'	1502626-06	Soil	7/27/15 12:51	7/29/15 14:00
B10 / 30'	1502626-07	Soil	7/27/15 13:50	7/29/15 14:00
B10 / 32'	1502626-08	Soil	7/27/15 14:01	7/29/15 14:00
B11 / 5'	1502626-09	Soil	7/27/15 15:23	7/29/15 14:00
B11 / 15'	1502626-10	Soil	7/27/15 16:00	7/29/15 14:00
B11 / 20'	1502626-11	Soil	7/28/15 8:03	7/29/15 14:00
B11 / 30'	1502626-12	Soil	7/28/15 8:32	7/29/15 14:00
B11 / 35'	1502626-13	Soil	7/28/15 9:18	7/29/15 14:00
B11 / 45'	1502626-14	Soil	7/28/15 10:01	7/29/15 14:00
B12 / 5'	1502626-15	Soil	7/28/15 12:49	7/29/15 14:00
B12 / 15'	1502626-16	Soil	7/28/15 13:09	7/29/15 14:00
B12 / 25'	1502626-17	Soil	7/28/15 13:33	7/29/15 14:00
B12 / 35'	1502626-18	Soil	7/28/15 14:08	7/29/15 14:00
B13 / 5'	1502626-19	Soil	7/28/15 15:04	7/29/15 14:00

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B6 / 5'
Lab ID: 1502626-01

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/03/15 16:49	
Arsenic	**2.4**	1.0	1	B5H0010	08/03/2015	08/03/15 16:49	
Barium	**250**	1.0	1	B5H0010	08/03/2015	08/03/15 16:49	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:48	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:49	
Chromium	**11**	1.0	1	B5H0010	08/03/2015	08/03/15 16:49	
Cobalt	**3.3**	1.0	1	B5H0010	08/03/2015	08/03/15 16:49	
Copper	**4.9**	2.0	1	B5H0010	08/03/2015	08/03/15 16:49	
Lead	**9.6**	1.0	1	B5H0010	08/03/2015	08/03/15 16:49	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:49	
Nickel	**3.8**	1.0	1	B5H0010	08/03/2015	08/03/15 16:49	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:49	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:49	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:49	
Vanadium	**18**	1.0	1	B5H0010	08/03/2015	08/03/15 16:49	
Zinc	**17**	1.0	1	B5H0010	08/03/2015	08/03/15 16:49	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:00	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0023	07/27/2015	08/03/15 11:26	
Surrogate: 4-Bromofluorobenzene	*81.8 %*	*37 - 153*		B5H0023	07/27/2015	*08/03/15 11:26*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**65**	10	1	B5G0672	07/31/2015	08/01/15 11:40	
ORO	**200**	10	1	B5G0672	07/31/2015	08/01/15 11:40	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B6 / 5'
Lab ID: 1502626-01

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*112 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 11:40*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:05	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:05	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:05	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:05	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:05	
alpha-Chlordane [2C]	**2.2**	1.0	1	B5H0033	08/03/2015	08/03/15 14:05	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:05	
Chlordane	**17**	8.5	1	B5H0033	08/03/2015	08/03/15 14:05	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:05	
Dieldrin [2C]	**2.7**	2.0	1	B5H0033	08/03/2015	08/03/15 14:05	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:05	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:05	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:05	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:05	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:05	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:05	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:05	
gamma-Chlordane [2C]	**1.9**	1.0	1	B5H0033	08/03/2015	08/03/15 14:05	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:05	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:05	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 14:05	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 14:05	
Surrogate: Decachlorobiphenyl	*82.6 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 14:05*	
Surrogate: Tetrachloro-m-xylene	*72.3 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 14:05*	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B6 / 5'
Lab ID: 1502626-01

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 14:15	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 14:15	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 14:15	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 14:15	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 14:15	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 14:15	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 14:15	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 14:15	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 14:15	
Surrogate: Decachlorobiphenyl	*90.5 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 14:15*	
Surrogate: Tetrachloro-m-xylene	*82.9 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 14:15*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,1,1-Trichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,1,2-Trichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,1-Dichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,1-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,1-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,2,3-Trichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0659	07/30/2015	07/30/15 20:01	
1,2-Dibromoethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,2-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,2-Dichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,2-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,3-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,3-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
1,4-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
2,2-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B6 / 5'

Lab ID: 1502626-01

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
4-Chlorotoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
4-Isopropyltoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Benzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Bromobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Bromochloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Bromodichloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Bromoform	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Bromomethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Carbon disulfide	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Carbon tetrachloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Chlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Chloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Chloroform	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Chloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Di-isopropyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Dibromochloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Dibromomethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Dichlorodifluoromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Ethyl Acetate	ND	50	1	B5G0659	07/30/2015	07/30/15 20:01	
Ethyl Ether	ND	50	1	B5G0659	07/30/2015	07/30/15 20:01	
Ethyl tert-butyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Ethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Freon-113	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Hexachlorobutadiene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Isopropylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
m,p-Xylene	ND	10	1	B5G0659	07/30/2015	07/30/15 20:01	
Methylene chloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
MTBE	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
n-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
n-Propylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Naphthalene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
o-Xylene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
sec-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Styrene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B6 / 5'

Lab ID: 1502626-01

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
tert-Butanol	ND	100	1	B5G0659	07/30/2015	07/30/15 20:01	
tert-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Tetrachloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Toluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Trichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Trichlorofluoromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Vinyl acetate	ND	50	1	B5G0659	07/30/2015	07/30/15 20:01	
Vinyl chloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 20:01	
Surrogate: 1,2-Dichloroethane-d4	*93.7 %*	*20 - 189*		B5G0659	07/30/2015	*07/30/15 20:01*	
Surrogate: 4-Bromofluorobenzene	*96.8 %*	*20 - 173*		B5G0659	07/30/2015	*07/30/15 20:01*	
Surrogate: Dibromofluoromethane	*112 %*	*26 - 178*		B5G0659	07/30/2015	*07/30/15 20:01*	
Surrogate: Toluene-d8	*99.1 %*	*31 - 166*		B5G0659	07/30/2015	*07/30/15 20:01*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
1,2-Dichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
1,3-Dichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
1,4-Dichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
2,4,5-Trichlorophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
2,4,6-Trichlorophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
2,4-Dichlorophenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 00:44	D1
2,4-Dimethylphenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
2,4-Dinitrophenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 00:44	D1
2,4-Dinitrotoluene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
2,6-Dinitrotoluene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
2-Chloronaphthalene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
2-Chlorophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
2-Methylnaphthalene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
2-Methylphenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
2-Nitroaniline	ND	8200	5	B5G0682	07/31/2015	08/01/15 00:44	D1
2-Nitrophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B6 / 5'

Lab ID: 1502626-01

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	3300	5	B5G0682	07/31/2015	08/01/15 00:44	D1
3-Nitroaniline	ND	8200	5	B5G0682	07/31/2015	08/01/15 00:44	D1
4,6-Dinitro-2-methyphenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 00:44	D1
4-Bromophenyl-phenylether	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
4-Chloro-3-methylphenol	ND	3300	5	B5G0682	07/31/2015	08/01/15 00:44	D1
4-Chloroaniline	ND	3300	5	B5G0682	07/31/2015	08/01/15 00:44	D1
4-Chlorophenyl-phenylether	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
4-Methylphenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
4-Nitroaniline	ND	8200	5	B5G0682	07/31/2015	08/01/15 00:44	D1
4-Nitrophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Acenaphthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Acenaphthylene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Anthracene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Benzidine (M)	ND	8200	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Benzo(a)anthracene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Benzo(a)pyrene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Benzo(b)fluoranthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Benzo(g,h,i)perylene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Benzo(k)fluoranthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Benzoic acid	ND	8200	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Benzyl alcohol	ND	3300	5	B5G0682	07/31/2015	08/01/15 00:44	D1
bis(2-chloroethoxy)methane	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
bis(2-Chloroethyl)ether	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
bis(2-chloroisopropyl)ether	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
bis(2-ethylhexyl)phthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Butylbenzylphthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Chrysene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Di-n-butylphthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Di-n-octylphthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Dibenz(a,h)anthracene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Dibenzofuran	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Diethyl phthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Dimethyl phthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Fluoranthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Fluorene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Hexachlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Hexachlorobutadiene	ND	3300	5	B5G0682	07/31/2015	08/01/15 00:44	D1

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B6 / 5'

Lab ID: 1502626-01

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	3300	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Hexachloroethane	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Indeno(1,2,3-cd)pyrene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Isophorone	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
N-Nitroso-di-n propylamine	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
N-Nitrosodiphenylamine	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Naphthalene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Nitrobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Pentachlorophenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Phenanthrene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Phenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Pyrene	ND	1600	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Pyridine	ND	8200	5	B5G0682	07/31/2015	08/01/15 00:44	D1
Surrogate: 1,2-Dichlorobenzene-d4	*64.0 %*	*24 - 114*		B5G0682	07/31/2015	*08/01/15 00:44*	
Surrogate: 2,4,6-Tribromophenol	*55.4 %*	*0 - 189*		B5G0682	07/31/2015	*08/01/15 00:44*	
Surrogate: 2-Chlorophenol-d4	*73.1 %*	*23 - 123*		B5G0682	07/31/2015	*08/01/15 00:44*	
Surrogate: 2-Fluorobiphenyl	*67.1 %*	*28 - 128*		B5G0682	07/31/2015	*08/01/15 00:44*	
Surrogate: 2-Fluorophenol	*71.9 %*	*8 - 138*		B5G0682	07/31/2015	*08/01/15 00:44*	
Surrogate: 4-Terphenyl-d14	*72.4 %*	*27 - 154*		B5G0682	07/31/2015	*08/01/15 00:44*	
Surrogate: Nitrobenzene-d5	*77.0 %*	*19 - 129*		B5G0682	07/31/2015	*08/01/15 00:44*	
Surrogate: Phenol-d5	*70.7 %*	*20 - 126*		B5G0682	07/31/2015	*08/01/15 00:44*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B6 / 10'
Lab ID: 1502626-02

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/03/15 16:52	
Arsenic	**2.8**	1.0	1	B5H0010	08/03/2015	08/03/15 16:52	
Barium	**85**	1.0	1	B5H0010	08/03/2015	08/03/15 16:52	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:51	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:52	
Chromium	**7.0**	1.0	1	B5H0010	08/03/2015	08/03/15 16:52	
Cobalt	**4.2**	1.0	1	B5H0010	08/03/2015	08/03/15 16:52	
Copper	**7.8**	2.0	1	B5H0010	08/03/2015	08/03/15 16:52	
Lead	**11**	1.0	1	B5H0010	08/03/2015	08/03/15 16:52	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:52	
Nickel	**3.2**	1.0	1	B5H0010	08/03/2015	08/03/15 16:52	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:52	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:52	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:52	
Vanadium	**29**	1.0	1	B5H0010	08/03/2015	08/03/15 16:52	
Zinc	**39**	1.0	1	B5H0010	08/03/2015	08/03/15 16:52	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:02	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0023	07/27/2015	08/03/15 11:42	
Surrogate: 4-Bromofluorobenzene	*83.0 %*	*37 - 153*		B5H0023	07/27/2015	*08/03/15 11:42*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**53**	10	1	B5G0672	07/31/2015	08/01/15 10:49	
ORO	**160**	10	1	B5G0672	07/31/2015	08/01/15 10:49	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B6 / 10'
Lab ID: 1502626-02

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*124 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 10:49*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD [2C]	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:15	
4,4´-DDE [2C]	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:15	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:15	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:15	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:15	
alpha-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:15	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:15	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 14:15	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:15	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:15	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:15	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:15	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:15	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:15	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:15	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:15	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:15	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:15	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:15	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:15	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 14:15	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 14:15	
Surrogate: Decachlorobiphenyl	*71.9 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 14:15*	
Surrogate: Tetrachloro-m-xylene	*65.9 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 14:15*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B6 / 10'

Lab ID: 1502626-02

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 14:34	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 14:34	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 14:34	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 14:34	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 14:34	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 14:34	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 14:34	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 14:34	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 14:34	
Surrogate: Decachlorobiphenyl	*83.1 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 14:34*	
Surrogate: Tetrachloro-m-xylene	*73.6 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 14:34*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,1,1-Trichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,1,2-Trichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,1-Dichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,1-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,1-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,2,3-Trichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0659	07/30/2015	07/30/15 22:12	
1,2-Dibromoethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,2-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,2-Dichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,2-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,3-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,3-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
1,4-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
2,2-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B6 / 10'

Lab ID: 1502626-02

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
4-Chlorotoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
4-Isopropyltoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Benzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Bromobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Bromochloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Bromodichloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Bromoform	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Bromomethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Carbon disulfide	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Carbon tetrachloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Chlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Chloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Chloroform	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Chloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Di-isopropyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Dibromochloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Dibromomethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Dichlorodifluoromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Ethyl Acetate	ND	50	1	B5G0659	07/30/2015	07/30/15 22:12	
Ethyl Ether	ND	50	1	B5G0659	07/30/2015	07/30/15 22:12	
Ethyl tert-butyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Ethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Freon-113	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Hexachlorobutadiene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Isopropylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
m,p-Xylene	ND	10	1	B5G0659	07/30/2015	07/30/15 22:12	
Methylene chloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
MTBE	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
n-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
n-Propylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Naphthalene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
o-Xylene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
sec-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Styrene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B6 / 10'

Lab ID: 1502626-02

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
tert-Butanol	ND	100	1	B5G0659	07/30/2015	07/30/15 22:12	
tert-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Tetrachloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Toluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Trichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Trichlorofluoromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Vinyl acetate	ND	50	1	B5G0659	07/30/2015	07/30/15 22:12	
Vinyl chloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:12	
Surrogate: 1,2-Dichloroethane-d4	*87.6 %*	*20 - 189*		B5G0659	07/30/2015	*07/30/15 22:12*	
Surrogate: 4-Bromofluorobenzene	*95.1 %*	*20 - 173*		B5G0659	07/30/2015	*07/30/15 22:12*	
Surrogate: Dibromofluoromethane	*109 %*	*26 - 178*		B5G0659	07/30/2015	*07/30/15 22:12*	
Surrogate: Toluene-d8	*98.5 %*	*31 - 166*		B5G0659	07/30/2015	*07/30/15 22:12*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
1,2-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
1,3-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
1,4-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
2,4,5-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
2,4,6-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
2,4-Dichlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:41	
2,4-Dimethylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
2,4-Dinitrophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:41	
2,4-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
2,6-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
2-Chloronaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
2-Chlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
2-Methylnaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
2-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
2-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:41	
2-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B6 / 10'
Lab ID: 1502626-02

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0682	07/31/2015	07/31/15 18:41	
3-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:41	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:41	
4-Bromophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
4-Chloro-3-methylphenol	ND	660	1	B5G0682	07/31/2015	07/31/15 18:41	
4-Chloroaniline	ND	660	1	B5G0682	07/31/2015	07/31/15 18:41	
4-Chlorophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
4-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
4-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:41	
4-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Acenaphthene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Acenaphthylene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Benzidine (M)	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:41	
Benzo(a)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Benzo(a)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Benzo(b)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Benzo(g,h,i)perylene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Benzo(k)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Benzoic acid	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:41	
Benzyl alcohol	ND	660	1	B5G0682	07/31/2015	07/31/15 18:41	
bis(2-chloroethoxy)methane	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
bis(2-Chloroethyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Butylbenzylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Chrysene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Di-n-butylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Di-n-octylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Dibenz(a,h)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Dibenzofuran	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Diethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Dimethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Fluorene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Hexachlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Hexachlorobutadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 18:41	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B6 / 10'

Lab ID: 1502626-02

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 18:41	
Hexachloroethane	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Isophorone	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
N-Nitroso-di-n propylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
N-Nitrosodiphenylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Naphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Nitrobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Pentachlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:41	
Phenanthrene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Phenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:41	
Pyridine	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:41	
Surrogate: 1,2-Dichlorobenzene-d4	*69.1 %*	*24 - 114*		B5G0682	07/31/2015	*07/31/15 18:41*	
Surrogate: 2,4,6-Tribromophenol	*63.0 %*	*0 - 189*		B5G0682	07/31/2015	*07/31/15 18:41*	
Surrogate: 2-Chlorophenol-d4	*74.7 %*	*23 - 123*		B5G0682	07/31/2015	*07/31/15 18:41*	
Surrogate: 2-Fluorobiphenyl	*74.0 %*	*28 - 128*		B5G0682	07/31/2015	*07/31/15 18:41*	
Surrogate: 2-Fluorophenol	*74.5 %*	*8 - 138*		B5G0682	07/31/2015	*07/31/15 18:41*	
Surrogate: 4-Terphenyl-d14	*82.0 %*	*27 - 154*		B5G0682	07/31/2015	*07/31/15 18:41*	
Surrogate: Nitrobenzene-d5	*81.6 %*	*19 - 129*		B5G0682	07/31/2015	*07/31/15 18:41*	
Surrogate: Phenol-d5	*70.8 %*	*20 - 126*		B5G0682	07/31/2015	*07/31/15 18:41*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B6 / 20'
Lab ID: 1502626-03

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/03/15 16:55	
Arsenic	**4.1**	1.0	1	B5H0010	08/03/2015	08/03/15 16:55	
Barium	**30**	1.0	1	B5H0010	08/03/2015	08/03/15 16:55	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:54	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:55	
Chromium	**9.7**	1.0	1	B5H0010	08/03/2015	08/03/15 16:55	
Cobalt	**10**	1.0	1	B5H0010	08/03/2015	08/03/15 16:55	
Copper	**21**	2.0	1	B5H0010	08/03/2015	08/03/15 16:55	
Lead	**1.9**	1.0	1	B5H0010	08/03/2015	08/03/15 16:55	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:55	
Nickel	**4.3**	1.0	1	B5H0010	08/03/2015	08/03/15 16:55	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:55	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:55	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:55	
Vanadium	**56**	1.0	1	B5H0010	08/03/2015	08/03/15 16:55	
Zinc	**33**	1.0	1	B5H0010	08/03/2015	08/03/15 16:55	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:04	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0023	07/27/2015	08/03/15 11:58	
Surrogate: 4-Bromofluorobenzene	*80.1 %*	*37 - 153*		B5H0023	07/27/2015	*08/03/15 11:58*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0672	07/31/2015	08/01/15 08:15	
ORO	ND	10	1	B5G0672	07/31/2015	08/01/15 08:15	

Certificate of Analysis

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Client Sample ID B6 / 20'
Lab ID: 1502626-03

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*115 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 08:15*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:26	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:26	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:26	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:26	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:26	
alpha-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:26	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:26	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 14:26	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:26	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:26	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:26	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:26	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:26	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:26	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:26	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:26	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:26	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:26	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:26	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:26	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 14:26	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 14:26	
Surrogate: Decachlorobiphenyl	*80.3 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 14:26*	
Surrogate: Tetrachloro-m-xylene	*70.1 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 14:26*	

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Client Sample ID B6 / 20'
Lab ID: 1502626-03

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 14:52	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 14:52	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 14:52	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 14:52	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 14:52	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 14:52	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 14:52	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 14:52	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 14:52	
Surrogate: Decachlorobiphenyl	*94.7 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 14:52*	
Surrogate: Tetrachloro-m-xylene	*81.9 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 14:52*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,1,1-Trichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,1,2-Trichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,1-Dichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,1-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,1-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,2,3-Trichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0659	07/30/2015	07/30/15 22:31	
1,2-Dibromoethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,2-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,2-Dichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,2-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,3-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,3-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
1,4-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
2,2-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B6 / 20'

Lab ID: 1502626-03

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
4-Chlorotoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
4-Isopropyltoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Benzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Bromobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Bromochloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Bromodichloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Bromoform	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Bromomethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Carbon disulfide	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Carbon tetrachloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Chlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Chloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Chloroform	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Chloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Di-isopropyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Dibromochloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Dibromomethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Dichlorodifluoromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Ethyl Acetate	ND	50	1	B5G0659	07/30/2015	07/30/15 22:31	
Ethyl Ether	ND	50	1	B5G0659	07/30/2015	07/30/15 22:31	
Ethyl tert-butyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Ethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Freon-113	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Hexachlorobutadiene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Isopropylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
m,p-Xylene	ND	10	1	B5G0659	07/30/2015	07/30/15 22:31	
Methylene chloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
MTBE	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
n-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
n-Propylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Naphthalene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
o-Xylene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
sec-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Styrene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B6 / 20'
Lab ID: 1502626-03

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
tert-Butanol	ND	100	1	B5G0659	07/30/2015	07/30/15 22:31	
tert-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Tetrachloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Toluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Trichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Trichlorofluoromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Vinyl acetate	ND	50	1	B5G0659	07/30/2015	07/30/15 22:31	
Vinyl chloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:31	
Surrogate: 1,2-Dichloroethane-d4	*83.5 %*	*20 - 189*		B5G0659	07/30/2015	*07/30/15 22:31*	
Surrogate: 4-Bromofluorobenzene	*94.7 %*	*20 - 173*		B5G0659	07/30/2015	*07/30/15 22:31*	
Surrogate: Dibromofluoromethane	*105 %*	*26 - 178*		B5G0659	07/30/2015	*07/30/15 22:31*	
Surrogate: Toluene-d8	*100 %*	*31 - 166*		B5G0659	07/30/2015	*07/30/15 22:31*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
1,2-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
1,3-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
1,4-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
2,4,5-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
2,4,6-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
2,4-Dichlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:10	
2,4-Dimethylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
2,4-Dinitrophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:10	
2,4-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
2,6-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
2-Chloronaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
2-Chlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
2-Methylnaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
2-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
2-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:10	
2-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B6 / 20'
Lab ID: 1502626-03

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0682	07/31/2015	07/31/15 19:10	
3-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:10	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:10	
4-Bromophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
4-Chloro-3-methylphenol	ND	660	1	B5G0682	07/31/2015	07/31/15 19:10	
4-Chloroaniline	ND	660	1	B5G0682	07/31/2015	07/31/15 19:10	
4-Chlorophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
4-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
4-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:10	
4-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Acenaphthene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Acenaphthylene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Benzidine (M)	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:10	
Benzo(a)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Benzo(a)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Benzo(b)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Benzo(g,h,i)perylene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Benzo(k)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Benzoic acid	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:10	
Benzyl alcohol	ND	660	1	B5G0682	07/31/2015	07/31/15 19:10	
bis(2-chloroethoxy)methane	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
bis(2-Chloroethyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Butylbenzylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Chrysene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Di-n-butylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Di-n-octylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Dibenz(a,h)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Dibenzofuran	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Diethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Dimethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Fluorene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Hexachlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Hexachlorobutadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 19:10	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B6 / 20'
Lab ID: 1502626-03

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 19:10	
Hexachloroethane	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Isophorone	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
N-Nitroso-di-n propylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
N-Nitrosodiphenylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Naphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Nitrobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Pentachlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:10	
Phenanthrene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Phenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:10	
Pyridine	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:10	
Surrogate: 1,2-Dichlorobenzene-d4	*60.8 %*	*24 - 114*		B5G0682	07/31/2015	*07/31/15 19:10*	
Surrogate: 2,4,6-Tribromophenol	*62.8 %*	*0 - 189*		B5G0682	07/31/2015	*07/31/15 19:10*	
Surrogate: 2-Chlorophenol-d4	*69.2 %*	*23 - 123*		B5G0682	07/31/2015	*07/31/15 19:10*	
Surrogate: 2-Fluorobiphenyl	*67.6 %*	*28 - 128*		B5G0682	07/31/2015	*07/31/15 19:10*	
Surrogate: 2-Fluorophenol	*69.0 %*	*8 - 138*		B5G0682	07/31/2015	*07/31/15 19:10*	
Surrogate: 4-Terphenyl-d14	*79.8 %*	*27 - 154*		B5G0682	07/31/2015	*07/31/15 19:10*	
Surrogate: Nitrobenzene-d5	*75.5 %*	*19 - 129*		B5G0682	07/31/2015	*07/31/15 19:10*	
Surrogate: Phenol-d5	*66.6 %*	*20 - 126*		B5G0682	07/31/2015	*07/31/15 19:10*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B6 / 25'
Lab ID: 1502626-04

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/03/15 16:58	
Arsenic	**2.7**	1.0	1	B5H0010	08/03/2015	08/03/15 16:58	
Barium	**77**	1.0	1	B5H0010	08/03/2015	08/03/15 16:58	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:57	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:58	
Chromium	**6.6**	1.0	1	B5H0010	08/03/2015	08/03/15 16:58	
Cobalt	**5.7**	1.0	1	B5H0010	08/03/2015	08/03/15 16:58	
Copper	**51**	2.0	1	B5H0010	08/03/2015	08/03/15 16:58	
Lead	**2.9**	1.0	1	B5H0010	08/03/2015	08/03/15 16:58	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:58	
Nickel	**2.4**	1.0	1	B5H0010	08/03/2015	08/03/15 16:58	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:58	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:58	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 16:58	
Vanadium	**50**	1.0	1	B5H0010	08/03/2015	08/03/15 16:58	
Zinc	**31**	1.0	1	B5H0010	08/03/2015	08/03/15 16:58	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:14	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0023	07/27/2015	08/03/15 12:14	
Surrogate: 4-Bromofluorobenzene	*80.0 %*	*37 - 153*		B5H0023	07/27/2015	*08/03/15 12:14*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0672	07/31/2015	08/01/15 08:32	
ORO	ND	10	1	B5G0672	07/31/2015	08/01/15 08:32	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B6 / 25'
Lab ID: 1502626-04

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*115 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 08:32*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:36	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:36	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:36	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:36	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:36	
alpha-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:36	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:36	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 14:36	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:36	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:36	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:36	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:36	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:36	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:36	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:36	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:36	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:36	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:36	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:36	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:36	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 14:36	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 14:36	
Surrogate: Decachlorobiphenyl	*73.9 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 14:36*	
Surrogate: Tetrachloro-m-xylene	*65.9 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 14:36*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B6 / 25'

Lab ID: 1502626-04

Polychlorinated Biphenyls by EPA 8082 — **Analyst: CL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 15:11	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 15:11	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 15:11	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 15:11	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 15:11	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 15:11	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 15:11	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 15:11	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 15:11	
Surrogate: Decachlorobiphenyl	*93.2 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 15:11*	
Surrogate: Tetrachloro-m-xylene	*83.0 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 15:11*	

Volatile Organic Compounds by EPA 8260B — **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,1,1-Trichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,1,2-Trichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,1-Dichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,1-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,1-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,2,3-Trichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0659	07/30/2015	07/30/15 22:49	
1,2-Dibromoethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,2-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,2-Dichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,2-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,3-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,3-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
1,4-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
2,2-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B6 / 25'

Lab ID: 1502626-04

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
4-Chlorotoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
4-Isopropyltoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Benzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Bromobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Bromochloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Bromodichloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Bromoform	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Bromomethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Carbon disulfide	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Carbon tetrachloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Chlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Chloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Chloroform	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Chloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Di-isopropyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Dibromochloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Dibromomethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Dichlorodifluoromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Ethyl Acetate	ND	50	1	B5G0659	07/30/2015	07/30/15 22:49	
Ethyl Ether	ND	50	1	B5G0659	07/30/2015	07/30/15 22:49	
Ethyl tert-butyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Ethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Freon-113	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Hexachlorobutadiene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Isopropylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
m,p-Xylene	ND	10	1	B5G0659	07/30/2015	07/30/15 22:49	
Methylene chloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
MTBE	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
n-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
n-Propylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Naphthalene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
o-Xylene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
sec-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Styrene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B6 / 25'
Lab ID: 1502626-04

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
tert-Butanol	ND	100	1	B5G0659	07/30/2015	07/30/15 22:49	
tert-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Tetrachloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Toluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Trichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Trichlorofluoromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Vinyl acetate	ND	50	1	B5G0659	07/30/2015	07/30/15 22:49	
Vinyl chloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 22:49	
Surrogate: 1,2-Dichloroethane-d4	*88.8 %*	*20 - 189*		B5G0659	07/30/2015	*07/30/15 22:49*	
Surrogate: 4-Bromofluorobenzene	*97.3 %*	*20 - 173*		B5G0659	07/30/2015	*07/30/15 22:49*	
Surrogate: Dibromofluoromethane	*116 %*	*26 - 178*		B5G0659	07/30/2015	*07/30/15 22:49*	
Surrogate: Toluene-d8	*103 %*	*31 - 166*		B5G0659	07/30/2015	*07/30/15 22:49*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
1,2-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
1,3-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
1,4-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
2,4,5-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
2,4,6-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
2,4-Dichlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:30	
2,4-Dimethylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
2,4-Dinitrophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:30	
2,4-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
2,6-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
2-Chloronaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
2-Chlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
2-Methylnaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
2-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
2-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:30	
2-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B6 / 25'

Lab ID: 1502626-04

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0682	07/31/2015	07/31/15 21:30	
3-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:30	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:30	
4-Bromophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
4-Chloro-3-methylphenol	ND	660	1	B5G0682	07/31/2015	07/31/15 21:30	
4-Chloroaniline	ND	660	1	B5G0682	07/31/2015	07/31/15 21:30	
4-Chlorophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
4-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
4-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:30	
4-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Acenaphthene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Acenaphthylene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Benzidine (M)	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:30	
Benzo(a)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Benzo(a)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Benzo(b)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Benzo(g,h,i)perylene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Benzo(k)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Benzoic acid	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:30	
Benzyl alcohol	ND	660	1	B5G0682	07/31/2015	07/31/15 21:30	
bis(2-chloroethoxy)methane	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
bis(2-Chloroethyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Butylbenzylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Chrysene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Di-n-butylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Di-n-octylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Dibenz(a,h)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Dibenzofuran	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Diethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Dimethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Fluorene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Hexachlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Hexachlorobutadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 21:30	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B6 / 25'

Lab ID: 1502626-04

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 21:30	
Hexachloroethane	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Isophorone	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
N-Nitroso-di-n propylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
N-Nitrosodiphenylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Naphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Nitrobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Pentachlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:30	
Phenanthrene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Phenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:30	
Pyridine	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:30	
Surrogate: 1,2-Dichlorobenzene-d4	*60.3 %*	*24 - 114*		B5G0682	07/31/2015	*07/31/15 21:30*	
Surrogate: 2,4,6-Tribromophenol	*68.0 %*	*0 - 189*		B5G0682	07/31/2015	*07/31/15 21:30*	
Surrogate: 2-Chlorophenol-d4	*76.6 %*	*23 - 123*		B5G0682	07/31/2015	*07/31/15 21:30*	
Surrogate: 2-Fluorobiphenyl	*62.8 %*	*28 - 128*		B5G0682	07/31/2015	*07/31/15 21:30*	
Surrogate: 2-Fluorophenol	*77.1 %*	*8 - 138*		B5G0682	07/31/2015	*07/31/15 21:30*	
Surrogate: 4-Terphenyl-d14	*74.4 %*	*27 - 154*		B5G0682	07/31/2015	*07/31/15 21:30*	
Surrogate: Nitrobenzene-d5	*79.2 %*	*19 - 129*		B5G0682	07/31/2015	*07/31/15 21:30*	
Surrogate: Phenol-d5	*75.1 %*	*20 - 126*		B5G0682	07/31/2015	*07/31/15 21:30*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B10 / 5'
Lab ID: 1502626-05

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/03/15 17:08	
Arsenic	**2.7**	1.0	1	B5H0010	08/03/2015	08/03/15 17:08	
Barium	**89**	1.0	1	B5H0010	08/03/2015	08/03/15 17:08	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:07	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:08	
Chromium	**6.8**	1.0	1	B5H0010	08/03/2015	08/03/15 17:08	
Cobalt	**6.4**	1.0	1	B5H0010	08/03/2015	08/03/15 17:08	
Copper	**24**	2.0	1	B5H0010	08/03/2015	08/03/15 17:08	
Lead	**3.2**	1.0	1	B5H0010	08/03/2015	08/03/15 17:08	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:08	
Nickel	**2.6**	1.0	1	B5H0010	08/03/2015	08/03/15 17:08	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:08	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:08	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:08	
Vanadium	**47**	1.0	1	B5H0010	08/03/2015	08/03/15 17:08	
Zinc	**29**	1.0	1	B5H0010	08/03/2015	08/03/15 17:08	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:16	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0023	07/27/2015	08/03/15 12:30	
Surrogate: 4-Bromofluorobenzene	*81.1 %*	*37 - 153*		B5H0023	07/27/2015	*08/03/15 12:30*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**320**	10	1	B5G0672	07/31/2015	08/01/15 12:13	
ORO	**1400**	10	1	B5G0672	07/31/2015	08/01/15 12:13	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 5'
Lab ID: 1502626-05

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*107 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 12:13*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:47	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:47	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:47	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:47	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:47	
alpha-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:47	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:47	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 14:47	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:47	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:47	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:47	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:47	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:47	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:47	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:47	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:47	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:47	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:47	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:47	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:47	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 14:47	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 14:47	
Surrogate: Decachlorobiphenyl	*73.2 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 14:47*	
Surrogate: Tetrachloro-m-xylene	*69.9 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 14:47*	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 5'
Lab ID: 1502626-05

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 15:30	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 15:30	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 15:30	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 15:30	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 15:30	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 15:30	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 15:30	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 15:30	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 15:30	
Surrogate: Decachlorobiphenyl	*84.6 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 15:30*	
Surrogate: Tetrachloro-m-xylene	*82.6 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 15:30*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,1,1-Trichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,1,2-Trichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,1-Dichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,1-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,1-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,2,3-Trichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0659	07/30/2015	07/30/15 23:08	
1,2-Dibromoethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,2-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,2-Dichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,2-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,3-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,3-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
1,4-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
2,2-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 5'

Lab ID: 1502626-05

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
4-Chlorotoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
4-Isopropyltoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Benzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Bromobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Bromochloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Bromodichloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Bromoform	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Bromomethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Carbon disulfide	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Carbon tetrachloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Chlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Chloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Chloroform	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Chloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Di-isopropyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Dibromochloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Dibromomethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Dichlorodifluoromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Ethyl Acetate	ND	50	1	B5G0659	07/30/2015	07/30/15 23:08	
Ethyl Ether	ND	50	1	B5G0659	07/30/2015	07/30/15 23:08	
Ethyl tert-butyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Ethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Freon-113	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Hexachlorobutadiene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Isopropylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
m,p-Xylene	ND	10	1	B5G0659	07/30/2015	07/30/15 23:08	
Methylene chloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
MTBE	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
n-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
n-Propylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Naphthalene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
o-Xylene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
sec-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Styrene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 5'

Lab ID: 1502626-05

Volatile Organic Compounds by EPA 8260B — **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
tert-Butanol	ND	100	1	B5G0659	07/30/2015	07/30/15 23:08	
tert-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Tetrachloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Toluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Trichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Trichlorofluoromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Vinyl acetate	ND	50	1	B5G0659	07/30/2015	07/30/15 23:08	
Vinyl chloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:08	
Surrogate: 1,2-Dichloroethane-d4	*89.0 %*	*20 - 189*		B5G0659	07/30/2015	*07/30/15 23:08*	
Surrogate: 4-Bromofluorobenzene	*92.8 %*	*20 - 173*		B5G0659	07/30/2015	*07/30/15 23:08*	
Surrogate: Dibromofluoromethane	*108 %*	*26 - 178*		B5G0659	07/30/2015	*07/30/15 23:08*	
Surrogate: Toluene-d8	*101 %*	*31 - 166*		B5G0659	07/30/2015	*07/30/15 23:08*	

Semivolatile Organic Compounds by EPA 8270C — **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
1,2-Dichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
1,3-Dichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
1,4-Dichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
2,4,5-Trichlorophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
2,4,6-Trichlorophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
2,4-Dichlorophenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:12	D1
2,4-Dimethylphenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
2,4-Dinitrophenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:12	D1
2,4-Dinitrotoluene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
2,6-Dinitrotoluene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
2-Chloronaphthalene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
2-Chlorophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
2-Methylnaphthalene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
2-Methylphenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
2-Nitroaniline	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:12	D1
2-Nitrophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 5'
Lab ID: 1502626-05

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	3300	5	B5G0682	07/31/2015	08/01/15 01:12	D1
3-Nitroaniline	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:12	D1
4,6-Dinitro-2-methyphenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:12	D1
4-Bromophenyl-phenylether	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
4-Chloro-3-methylphenol	ND	3300	5	B5G0682	07/31/2015	08/01/15 01:12	D1
4-Chloroaniline	ND	3300	5	B5G0682	07/31/2015	08/01/15 01:12	D1
4-Chlorophenyl-phenylether	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
4-Methylphenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
4-Nitroaniline	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:12	D1
4-Nitrophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Acenaphthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Acenaphthylene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Anthracene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Benzidine (M)	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Benzo(a)anthracene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Benzo(a)pyrene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Benzo(b)fluoranthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Benzo(g,h,i)perylene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Benzo(k)fluoranthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Benzoic acid	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Benzyl alcohol	ND	3300	5	B5G0682	07/31/2015	08/01/15 01:12	D1
bis(2-chloroethoxy)methane	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
bis(2-Chloroethyl)ether	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
bis(2-chloroisopropyl)ether	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
bis(2-ethylhexyl)phthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Butylbenzylphthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Chrysene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Di-n-butylphthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Di-n-octylphthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Dibenz(a,h)anthracene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Dibenzofuran	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Diethyl phthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Dimethyl phthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Fluoranthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Fluorene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Hexachlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Hexachlorobutadiene	ND	3300	5	B5G0682	07/31/2015	08/01/15 01:12	D1

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 5'

Lab ID: 1502626-05

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene		ND	3300	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Hexachloroethane		ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Indeno(1,2,3-cd)pyrene		ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Isophorone		ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
N-Nitroso-di-n propylamine		ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
N-Nitrosodiphenylamine		ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Naphthalene		ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Nitrobenzene		ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Pentachlorophenol		ND	8200	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Phenanthrene		ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Phenol		ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Pyrene		ND	1600	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Pyridine		ND	8200	5	B5G0682	07/31/2015	08/01/15 01:12	D1
Surrogate: 1,2-Dichlorobenzene-d4	*63.0 %*		*24 - 114*		B5G0682	07/31/2015	*08/01/15 01:12*	
Surrogate: 2,4,6-Tribromophenol	*49.0 %*		*0 - 189*		B5G0682	07/31/2015	*08/01/15 01:12*	
Surrogate: 2-Chlorophenol-d4	*69.8 %*		*23 - 123*		B5G0682	07/31/2015	*08/01/15 01:12*	
Surrogate: 2-Fluorobiphenyl	*62.8 %*		*28 - 128*		B5G0682	07/31/2015	*08/01/15 01:12*	
Surrogate: 2-Fluorophenol	*70.9 %*		*8 - 138*		B5G0682	07/31/2015	*08/01/15 01:12*	
Surrogate: 4-Terphenyl-d14	*67.6 %*		*27 - 154*		B5G0682	07/31/2015	*08/01/15 01:12*	
Surrogate: Nitrobenzene-d5	*74.8 %*		*19 - 129*		B5G0682	07/31/2015	*08/01/15 01:12*	
Surrogate: Phenol-d5	*67.5 %*		*20 - 126*		B5G0682	07/31/2015	*08/01/15 01:12*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B10 / 20'
Lab ID: 1502626-06

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/03/15 17:11	
Arsenic	**2.2**	1.0	1	B5H0010	08/03/2015	08/03/15 17:11	
Barium	**92**	1.0	1	B5H0010	08/03/2015	08/03/15 17:11	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:10	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:11	
Chromium	**11**	1.0	1	B5H0010	08/03/2015	08/03/15 17:11	
Cobalt	**5.1**	1.0	1	B5H0010	08/03/2015	08/03/15 17:11	
Copper	**15**	2.0	1	B5H0010	08/03/2015	08/03/15 17:11	
Lead	**12**	1.0	1	B5H0010	08/03/2015	08/03/15 17:11	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:11	
Nickel	**5.9**	1.0	1	B5H0010	08/03/2015	08/03/15 17:11	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:11	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:11	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:11	
Vanadium	**28**	1.0	1	B5H0010	08/03/2015	08/03/15 17:11	
Zinc	**44**	1.0	1	B5H0010	08/03/2015	08/03/15 17:11	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:18	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0023	07/27/2015	08/03/15 12:46	
Surrogate: 4-Bromofluorobenzene	*81.4 %*	*37 - 153*		B5H0023	07/27/2015	*08/03/15 12:46*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**15**	10	1	B5G0672	07/31/2015	08/01/15 09:57	
ORO	**42**	10	1	B5G0672	07/31/2015	08/01/15 09:57	

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Lab ID: 1502626-06

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*120 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 09:57*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:57	
4,4´-DDE	**2.4**	2.0	1	B5H0033	08/03/2015	08/03/15 14:57	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:57	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:57	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:57	
alpha-Chlordane [2C]	**4.6**	1.0	1	B5H0033	08/03/2015	08/03/15 14:57	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:57	
Chlordane	**48**	8.5	1	B5H0033	08/03/2015	08/03/15 14:57	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:57	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:57	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:57	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:57	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:57	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:57	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:57	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 14:57	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:57	
gamma-Chlordane [2C]	**4.0**	1.0	1	B5H0033	08/03/2015	08/03/15 14:57	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:57	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 14:57	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 14:57	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 14:57	
Surrogate: Decachlorobiphenyl	*77.4 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 14:57*	
Surrogate: Tetrachloro-m-xylene	*67.3 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 14:57*	

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Lab ID: 1502626-06

Polychlorinated Biphenyls by EPA 8082 — **Analyst: CL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 15:49	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 15:49	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 15:49	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 15:49	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 15:49	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 15:49	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 15:49	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 15:49	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 15:49	
Surrogate: Decachlorobiphenyl	*86.2 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 15:49*	
Surrogate: Tetrachloro-m-xylene	*78.5 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 15:49*	

Volatile Organic Compounds by EPA 8260B — **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,1,1-Trichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,1,2-Trichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,1-Dichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,1-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,1-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,2,3-Trichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0659	07/30/2015	07/30/15 23:27	
1,2-Dibromoethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,2-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,2-Dichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,2-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,3-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,3-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
1,4-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
2,2-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	

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Client Sample ID B10 / 20'

Lab ID: 1502626-06

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
4-Chlorotoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
4-Isopropyltoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Benzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Bromobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Bromochloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Bromodichloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Bromoform	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Bromomethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Carbon disulfide	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Carbon tetrachloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Chlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Chloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Chloroform	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Chloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Di-isopropyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Dibromochloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Dibromomethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Dichlorodifluoromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Ethyl Acetate	ND	50	1	B5G0659	07/30/2015	07/30/15 23:27	
Ethyl Ether	ND	50	1	B5G0659	07/30/2015	07/30/15 23:27	
Ethyl tert-butyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Ethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Freon-113	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Hexachlorobutadiene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Isopropylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
m,p-Xylene	ND	10	1	B5G0659	07/30/2015	07/30/15 23:27	
Methylene chloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
MTBE	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
n-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
n-Propylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Naphthalene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
o-Xylene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
sec-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Styrene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	

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Client Sample ID B10 / 20'

Lab ID: 1502626-06

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
tert-Butanol	ND	100	1	B5G0659	07/30/2015	07/30/15 23:27	
tert-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Tetrachloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Toluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Trichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Trichlorofluoromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Vinyl acetate	ND	50	1	B5G0659	07/30/2015	07/30/15 23:27	
Vinyl chloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:27	
Surrogate: 1,2-Dichloroethane-d4	*85.8 %*	*20 - 189*		B5G0659	07/30/2015	*07/30/15 23:27*	
Surrogate: 4-Bromofluorobenzene	*94.2 %*	*20 - 173*		B5G0659	07/30/2015	*07/30/15 23:27*	
Surrogate: Dibromofluoromethane	*107 %*	*26 - 178*		B5G0659	07/30/2015	*07/30/15 23:27*	
Surrogate: Toluene-d8	*100 %*	*31 - 166*		B5G0659	07/30/2015	*07/30/15 23:27*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
1,2-Dichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
1,3-Dichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
1,4-Dichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
2,4,5-Trichlorophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
2,4,6-Trichlorophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
2,4-Dichlorophenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:39	D1
2,4-Dimethylphenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
2,4-Dinitrophenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:39	D1
2,4-Dinitrotoluene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
2,6-Dinitrotoluene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
2-Chloronaphthalene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
2-Chlorophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
2-Methylnaphthalene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
2-Methylphenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
2-Nitroaniline	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:39	D1
2-Nitrophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1

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Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	3300	5	B5G0682	07/31/2015	08/01/15 01:39	D1
3-Nitroaniline	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:39	D1
4,6-Dinitro-2-methyphenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:39	D1
4-Bromophenyl-phenylether	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
4-Chloro-3-methylphenol	ND	3300	5	B5G0682	07/31/2015	08/01/15 01:39	D1
4-Chloroaniline	ND	3300	5	B5G0682	07/31/2015	08/01/15 01:39	D1
4-Chlorophenyl-phenylether	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
4-Methylphenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
4-Nitroaniline	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:39	D1
4-Nitrophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Acenaphthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Acenaphthylene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Anthracene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Benzidine (M)	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Benzo(a)anthracene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Benzo(a)pyrene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Benzo(b)fluoranthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Benzo(g,h,i)perylene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Benzo(k)fluoranthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Benzoic acid	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Benzyl alcohol	ND	3300	5	B5G0682	07/31/2015	08/01/15 01:39	D1
bis(2-chloroethoxy)methane	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
bis(2-Chloroethyl)ether	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
bis(2-chloroisopropyl)ether	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
bis(2-ethylhexyl)phthalate	**2100**	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Butylbenzylphthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Chrysene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Di-n-butylphthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Di-n-octylphthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Dibenz(a,h)anthracene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Dibenzofuran	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Diethyl phthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Dimethyl phthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Fluoranthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Fluorene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Hexachlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Hexachlorobutadiene	ND	3300	5	B5G0682	07/31/2015	08/01/15 01:39	D1

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 20'

Lab ID: 1502626-06

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	3300	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Hexachloroethane	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Indeno(1,2,3-cd)pyrene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Isophorone	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
N-Nitroso-di-n propylamine	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
N-Nitrosodiphenylamine	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Naphthalene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Nitrobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Pentachlorophenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Phenanthrene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Phenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Pyrene	ND	1600	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Pyridine	ND	8200	5	B5G0682	07/31/2015	08/01/15 01:39	D1
Surrogate: 1,2-Dichlorobenzene-d4	*65.7 %*	*24 - 114*		B5G0682	07/31/2015	*08/01/15 01:39*	
Surrogate: 2,4,6-Tribromophenol	*53.1 %*	*0 - 189*		B5G0682	07/31/2015	*08/01/15 01:39*	
Surrogate: 2-Chlorophenol-d4	*74.4 %*	*23 - 123*		B5G0682	07/31/2015	*08/01/15 01:39*	
Surrogate: 2-Fluorobiphenyl	*64.7 %*	*28 - 128*		B5G0682	07/31/2015	*08/01/15 01:39*	
Surrogate: 2-Fluorophenol	*72.3 %*	*8 - 138*		B5G0682	07/31/2015	*08/01/15 01:39*	
Surrogate: 4-Terphenyl-d14	*66.5 %*	*27 - 154*		B5G0682	07/31/2015	*08/01/15 01:39*	
Surrogate: Nitrobenzene-d5	*79.8 %*	*19 - 129*		B5G0682	07/31/2015	*08/01/15 01:39*	
Surrogate: Phenol-d5	*69.6 %*	*20 - 126*		B5G0682	07/31/2015	*08/01/15 01:39*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B10 / 30'
Lab ID: 1502626-07

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/03/15 17:14	
Arsenic	**2.8**	1.0	1	B5H0010	08/03/2015	08/03/15 17:14	
Barium	**94**	1.0	1	B5H0010	08/03/2015	08/03/15 17:14	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:14	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:14	
Chromium	**15**	1.0	1	B5H0010	08/03/2015	08/03/15 17:14	
Cobalt	**6.1**	1.0	1	B5H0010	08/03/2015	08/03/15 17:14	
Copper	**7.1**	2.0	1	B5H0010	08/03/2015	08/03/15 17:14	
Lead	**4.5**	1.0	1	B5H0010	08/03/2015	08/03/15 17:14	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:14	
Nickel	**8.6**	1.0	1	B5H0010	08/03/2015	08/03/15 17:14	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:14	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:14	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:14	
Vanadium	**25**	1.0	1	B5H0010	08/03/2015	08/03/15 17:14	
Zinc	**15**	1.0	1	B5H0010	08/03/2015	08/03/15 17:14	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:21	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0023	07/27/2015	08/03/15 13:01	
Surrogate: 4-Bromofluorobenzene	*81.5 %*	*37 - 153*		B5H0023	07/27/2015	*08/03/15 13:01*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0672	07/31/2015	08/01/15 07:57	
ORO	ND	10	1	B5G0672	07/31/2015	08/01/15 07:57	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 30'
Lab ID: 1502626-07

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*112 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 07:57*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:08	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:08	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:08	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:08	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:08	
alpha-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:08	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:08	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 15:08	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:08	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:08	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:08	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:08	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:08	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:08	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:08	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:08	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:08	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:08	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:08	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:08	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 15:08	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 15:08	
Surrogate: Decachlorobiphenyl	*80.2 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 15:08*	
Surrogate: Tetrachloro-m-xylene	*69.2 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 15:08*	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 30'

Lab ID: 1502626-07

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 16:08	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 16:08	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 16:08	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 16:08	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 16:08	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 16:08	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 16:08	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 16:08	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 16:08	
Surrogate: Decachlorobiphenyl	*89.7 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 16:08*	
Surrogate: Tetrachloro-m-xylene	*80.2 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 16:08*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,1,1-Trichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,1,2-Trichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,1-Dichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,1-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,1-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,2,3-Trichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0659	07/30/2015	07/30/15 23:46	
1,2-Dibromoethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,2-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,2-Dichloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,2-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,3-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,3-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
1,4-Dichlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
2,2-Dichloropropane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 30'

Lab ID: 1502626-07

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
4-Chlorotoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
4-Isopropyltoluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Benzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Bromobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Bromochloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Bromodichloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Bromoform	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Bromomethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Carbon disulfide	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Carbon tetrachloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Chlorobenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Chloroethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Chloroform	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Chloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Di-isopropyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Dibromochloromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Dibromomethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Dichlorodifluoromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Ethyl Acetate	ND	50	1	B5G0659	07/30/2015	07/30/15 23:46	
Ethyl Ether	ND	50	1	B5G0659	07/30/2015	07/30/15 23:46	
Ethyl tert-butyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Ethylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Freon-113	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Hexachlorobutadiene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Isopropylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
m,p-Xylene	ND	10	1	B5G0659	07/30/2015	07/30/15 23:46	
Methylene chloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
MTBE	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
n-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
n-Propylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Naphthalene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
o-Xylene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
sec-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Styrene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 30'

Lab ID: 1502626-07

Volatile Organic Compounds by EPA 8260B — **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
tert-Butanol	ND	100	1	B5G0659	07/30/2015	07/30/15 23:46	
tert-Butylbenzene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Tetrachloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Toluene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Trichloroethene	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Trichlorofluoromethane	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Vinyl acetate	ND	50	1	B5G0659	07/30/2015	07/30/15 23:46	
Vinyl chloride	ND	5.0	1	B5G0659	07/30/2015	07/30/15 23:46	
Surrogate: 1,2-Dichloroethane-d4	*85.9 %*	*20 - 189*		B5G0659	07/30/2015	*07/30/15 23:46*	
Surrogate: 4-Bromofluorobenzene	*92.8 %*	*20 - 173*		B5G0659	07/30/2015	*07/30/15 23:46*	
Surrogate: Dibromofluoromethane	*111 %*	*26 - 178*		B5G0659	07/30/2015	*07/30/15 23:46*	
Surrogate: Toluene-d8	*101 %*	*31 - 166*		B5G0659	07/30/2015	*07/30/15 23:46*	

Semivolatile Organic Compounds by EPA 8270C — **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
1,2-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
1,3-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
1,4-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
2,4,5-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
2,4,6-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
2,4-Dichlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:38	
2,4-Dimethylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
2,4-Dinitrophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:38	
2,4-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
2,6-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
2-Chloronaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
2-Chlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
2-Methylnaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
2-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
2-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:38	
2-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 30'

Lab ID: 1502626-07

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0682	07/31/2015	07/31/15 19:38	
3-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:38	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:38	
4-Bromophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
4-Chloro-3-methylphenol	ND	660	1	B5G0682	07/31/2015	07/31/15 19:38	
4-Chloroaniline	ND	660	1	B5G0682	07/31/2015	07/31/15 19:38	
4-Chlorophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
4-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
4-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:38	
4-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Acenaphthene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Acenaphthylene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Benzidine (M)	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:38	
Benzo(a)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Benzo(a)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Benzo(b)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Benzo(g,h,i)perylene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Benzo(k)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Benzoic acid	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:38	
Benzyl alcohol	ND	660	1	B5G0682	07/31/2015	07/31/15 19:38	
bis(2-chloroethoxy)methane	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
bis(2-Chloroethyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Butylbenzylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Chrysene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Di-n-butylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Di-n-octylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Dibenz(a,h)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Dibenzofuran	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Diethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Dimethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Fluorene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Hexachlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Hexachlorobutadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 19:38	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 30'

Lab ID: 1502626-07

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 19:38	
Hexachloroethane	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Isophorone	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
N-Nitroso-di-n propylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
N-Nitrosodiphenylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Naphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Nitrobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Pentachlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:38	
Phenanthrene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Phenol	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 19:38	
Pyridine	ND	1600	1	B5G0682	07/31/2015	07/31/15 19:38	
Surrogate: 1,2-Dichlorobenzene-d4	*55.4 %*	*24 - 114*		B5G0682	07/31/2015	*07/31/15 19:38*	
Surrogate: 2,4,6-Tribromophenol	*66.8 %*	*0 - 189*		B5G0682	07/31/2015	*07/31/15 19:38*	
Surrogate: 2-Chlorophenol-d4	*79.1 %*	*23 - 123*		B5G0682	07/31/2015	*07/31/15 19:38*	
Surrogate: 2-Fluorobiphenyl	*56.9 %*	*28 - 128*		B5G0682	07/31/2015	*07/31/15 19:38*	
Surrogate: 2-Fluorophenol	*80.0 %*	*8 - 138*		B5G0682	07/31/2015	*07/31/15 19:38*	
Surrogate: 4-Terphenyl-d14	*76.5 %*	*27 - 154*		B5G0682	07/31/2015	*07/31/15 19:38*	
Surrogate: Nitrobenzene-d5	*80.7 %*	*19 - 129*		B5G0682	07/31/2015	*07/31/15 19:38*	
Surrogate: Phenol-d5	*75.1 %*	*20 - 126*		B5G0682	07/31/2015	*07/31/15 19:38*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B10 / 32'
Lab ID: 1502626-08

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/03/15 17:17	
Arsenic	**2.8**	1.0	1	B5H0010	08/03/2015	08/03/15 17:17	
Barium	**57**	1.0	1	B5H0010	08/03/2015	08/03/15 17:17	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:17	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:17	
Chromium	**18**	1.0	1	B5H0010	08/03/2015	08/03/15 17:17	
Cobalt	**4.6**	1.0	1	B5H0010	08/03/2015	08/03/15 17:17	
Copper	**9.0**	2.0	1	B5H0010	08/03/2015	08/03/15 17:17	
Lead	**2.1**	1.0	1	B5H0010	08/03/2015	08/03/15 17:17	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:17	
Nickel	**8.9**	1.0	1	B5H0010	08/03/2015	08/03/15 17:17	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:17	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:17	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:17	
Vanadium	**27**	1.0	1	B5H0010	08/03/2015	08/03/15 17:17	
Zinc	**13**	1.0	1	B5H0010	08/03/2015	08/03/15 17:17	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:23	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0023	07/27/2015	08/03/15 13:17	
Surrogate: 4-Bromofluorobenzene	*87.1 %*	*37 - 153*		B5H0023	07/27/2015	*08/03/15 13:17*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0672	07/31/2015	08/01/15 09:23	
ORO	**13**	10	1	B5G0672	07/31/2015	08/01/15 09:23	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B10 / 32'
Lab ID: 1502626-08

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*104 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 09:23*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:18	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:18	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:18	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:18	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:18	
alpha-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:18	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:18	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 15:18	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:18	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:18	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:18	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:18	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:18	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:18	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:18	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:18	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:18	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:18	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:18	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:18	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 15:18	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 15:18	
Surrogate: Decachlorobiphenyl	*74.6 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 15:18*	
Surrogate: Tetrachloro-m-xylene	*67.0 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 15:18*	

Certificate of Analysis

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San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B10 / 32'

Lab ID: 1502626-08

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 16:26	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 16:26	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 16:26	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 16:26	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 16:26	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 16:26	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 16:26	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 16:26	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 16:26	
Surrogate: Decachlorobiphenyl	*85.4 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 16:26*	
Surrogate: Tetrachloro-m-xylene	*78.3 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 16:26*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,1,1-Trichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,1,2-Trichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,1-Dichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,1-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,1-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,2,3-Trichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0659	07/31/2015	07/31/15 00:04	
1,2-Dibromoethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,2-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,2-Dichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,2-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,3-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,3-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
1,4-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
2,2-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 32'

Lab ID: 1502626-08

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
4-Chlorotoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
4-Isopropyltoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Benzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Bromobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Bromochloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Bromodichloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Bromoform	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Bromomethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Carbon disulfide	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Carbon tetrachloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Chlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Chloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Chloroform	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Chloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Di-isopropyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Dibromochloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Dibromomethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Dichlorodifluoromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Ethyl Acetate	ND	50	1	B5G0659	07/31/2015	07/31/15 00:04	
Ethyl Ether	ND	50	1	B5G0659	07/31/2015	07/31/15 00:04	
Ethyl tert-butyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Ethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Freon-113	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Hexachlorobutadiene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Isopropylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
m,p-Xylene	ND	10	1	B5G0659	07/31/2015	07/31/15 00:04	
Methylene chloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
MTBE	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
n-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
n-Propylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Naphthalene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
o-Xylene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
sec-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Styrene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B10 / 32'

Lab ID: 1502626-08

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
tert-Butanol	ND	100	1	B5G0659	07/31/2015	07/31/15 00:04	
tert-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Tetrachloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Toluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Trichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Trichlorofluoromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Vinyl acetate	ND	50	1	B5G0659	07/31/2015	07/31/15 00:04	
Vinyl chloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:04	
Surrogate: 1,2-Dichloroethane-d4	*89.0 %*	*20 - 189*		B5G0659	07/31/2015	*07/31/15 00:04*	
Surrogate: 4-Bromofluorobenzene	*94.8 %*	*20 - 173*		B5G0659	07/31/2015	*07/31/15 00:04*	
Surrogate: Dibromofluoromethane	*109 %*	*26 - 178*		B5G0659	07/31/2015	*07/31/15 00:04*	
Surrogate: Toluene-d8	*99.9 %*	*31 - 166*		B5G0659	07/31/2015	*07/31/15 00:04*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
1,2-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
1,3-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
1,4-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
2,4,5-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
2,4,6-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
2,4-Dichlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:58	
2,4-Dimethylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
2,4-Dinitrophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:58	
2,4-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
2,6-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
2-Chloronaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
2-Chlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
2-Methylnaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
2-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
2-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:58	
2-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 32'

Lab ID: 1502626-08

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0682	07/31/2015	07/31/15 21:58	
3-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:58	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:58	
4-Bromophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
4-Chloro-3-methylphenol	ND	660	1	B5G0682	07/31/2015	07/31/15 21:58	
4-Chloroaniline	ND	660	1	B5G0682	07/31/2015	07/31/15 21:58	
4-Chlorophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
4-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
4-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:58	
4-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Acenaphthene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Acenaphthylene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Benzidine (M)	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:58	
Benzo(a)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Benzo(a)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Benzo(b)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Benzo(g,h,i)perylene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Benzo(k)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Benzoic acid	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:58	
Benzyl alcohol	ND	660	1	B5G0682	07/31/2015	07/31/15 21:58	
bis(2-chloroethoxy)methane	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
bis(2-Chloroethyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Butylbenzylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Chrysene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Di-n-butylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Di-n-octylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Dibenz(a,h)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Dibenzofuran	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Diethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Dimethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Fluorene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Hexachlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Hexachlorobutadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 21:58	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B10 / 32'

Lab ID: 1502626-08

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 21:58	
Hexachloroethane	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Isophorone	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
N-Nitroso-di-n propylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
N-Nitrosodiphenylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Naphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Nitrobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Pentachlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:58	
Phenanthrene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Phenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:58	
Pyridine	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:58	
Surrogate: 1,2-Dichlorobenzene-d4	*47.0 %*	*24 - 114*		B5G0682	07/31/2015	*07/31/15 21:58*	
Surrogate: 2,4,6-Tribromophenol	*68.4 %*	*0 - 189*		B5G0682	07/31/2015	*07/31/15 21:58*	
Surrogate: 2-Chlorophenol-d4	*72.6 %*	*23 - 123*		B5G0682	07/31/2015	*07/31/15 21:58*	
Surrogate: 2-Fluorobiphenyl	*50.3 %*	*28 - 128*		B5G0682	07/31/2015	*07/31/15 21:58*	
Surrogate: 2-Fluorophenol	*72.4 %*	*8 - 138*		B5G0682	07/31/2015	*07/31/15 21:58*	
Surrogate: 4-Terphenyl-d14	*74.5 %*	*27 - 154*		B5G0682	07/31/2015	*07/31/15 21:58*	
Surrogate: Nitrobenzene-d5	*73.7 %*	*19 - 129*		B5G0682	07/31/2015	*07/31/15 21:58*	
Surrogate: Phenol-d5	*71.7 %*	*20 - 126*		B5G0682	07/31/2015	*07/31/15 21:58*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B11 / 5'
Lab ID: 1502626-09

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/03/15 17:22	
Arsenic	**2.9**	1.0	1	B5H0010	08/03/2015	08/03/15 17:22	
Barium	**100**	1.0	1	B5H0010	08/03/2015	08/03/15 17:21	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:20	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:22	
Chromium	**9.0**	1.0	1	B5H0010	08/03/2015	08/03/15 17:21	
Cobalt	**4.5**	1.0	1	B5H0010	08/03/2015	08/03/15 17:22	
Copper	**6.9**	2.0	1	B5H0010	08/03/2015	08/03/15 17:21	
Lead	**4.5**	1.0	1	B5H0010	08/03/2015	08/03/15 17:22	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:22	
Nickel	**4.6**	1.0	1	B5H0010	08/03/2015	08/03/15 17:22	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:22	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:21	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:22	
Vanadium	**22**	1.0	1	B5H0010	08/03/2015	08/03/15 17:21	
Zinc	**18**	1.0	1	B5H0010	08/03/2015	08/03/15 17:21	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:25	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0023	07/27/2015	08/03/15 13:33	
Surrogate: 4-Bromofluorobenzene	*84.3 %*	*37 - 153*		B5H0023	07/27/2015	*08/03/15 13:33*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**11**	10	1	B5G0672	07/31/2015	08/01/15 10:14	
ORO	**42**	10	1	B5G0672	07/31/2015	08/01/15 10:14	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B11 / 5'

Lab ID: 1502626-09

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*121 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 10:14*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:29	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:29	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:29	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:29	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:29	
alpha-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:29	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:29	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 15:29	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:29	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:29	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:29	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:29	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:29	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:29	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:29	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:29	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:29	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:29	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:29	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:29	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 15:29	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 15:29	
Surrogate: Decachlorobiphenyl	*83.9 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 15:29*	
Surrogate: Tetrachloro-m-xylene	*74.6 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 15:29*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B11 / 5'

Lab ID: 1502626-09

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 16:45	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 16:45	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 16:45	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 16:45	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 16:45	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 16:45	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 16:45	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 16:45	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 16:45	
Surrogate: Decachlorobiphenyl	*86.1 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 16:45*	
Surrogate: Tetrachloro-m-xylene	*81.7 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 16:45*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,1,1-Trichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,1,2-Trichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,1-Dichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,1-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,1-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,2,3-Trichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0659	07/31/2015	07/31/15 00:23	
1,2-Dibromoethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,2-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,2-Dichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,2-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,3-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,3-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
1,4-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
2,2-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	

Certificate of Analysis

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San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 5'

Lab ID: 1502626-09

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
4-Chlorotoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
4-Isopropyltoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Benzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Bromobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Bromochloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Bromodichloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Bromoform	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Bromomethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Carbon disulfide	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Carbon tetrachloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Chlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Chloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Chloroform	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Chloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Di-isopropyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Dibromochloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Dibromomethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Dichlorodifluoromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Ethyl Acetate	ND	50	1	B5G0659	07/31/2015	07/31/15 00:23	
Ethyl Ether	ND	50	1	B5G0659	07/31/2015	07/31/15 00:23	
Ethyl tert-butyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Ethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Freon-113	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Hexachlorobutadiene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Isopropylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
m,p-Xylene	ND	10	1	B5G0659	07/31/2015	07/31/15 00:23	
Methylene chloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
MTBE	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
n-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
n-Propylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Naphthalene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
o-Xylene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
sec-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Styrene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 5'

Lab ID: 1502626-09

Volatile Organic Compounds by EPA 8260B — **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
tert-Butanol	ND	100	1	B5G0659	07/31/2015	07/31/15 00:23	
tert-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Tetrachloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Toluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Trichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Trichlorofluoromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Vinyl acetate	ND	50	1	B5G0659	07/31/2015	07/31/15 00:23	
Vinyl chloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:23	
Surrogate: 1,2-Dichloroethane-d4	*86.3 %*	*20 - 189*		B5G0659	07/31/2015	*07/31/15 00:23*	
Surrogate: 4-Bromofluorobenzene	*97.9 %*	*20 - 173*		B5G0659	07/31/2015	*07/31/15 00:23*	
Surrogate: Dibromofluoromethane	*110 %*	*26 - 178*		B5G0659	07/31/2015	*07/31/15 00:23*	
Surrogate: Toluene-d8	*103 %*	*31 - 166*		B5G0659	07/31/2015	*07/31/15 00:23*	

Semivolatile Organic Compounds by EPA 8270C — **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
1,2-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
1,3-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
1,4-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
2,4,5-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
2,4,6-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
2,4-Dichlorophenol	ND	1600	1	B5G0682	07/31/2015	08/01/15 00:16	
2,4-Dimethylphenol	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
2,4-Dinitrophenol	ND	1600	1	B5G0682	07/31/2015	08/01/15 00:16	
2,4-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
2,6-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
2-Chloronaphthalene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
2-Chlorophenol	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
2-Methylnaphthalene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
2-Methylphenol	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
2-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	08/01/15 00:16	
2-Nitrophenol	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 5'

Lab ID: 1502626-09

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0682	07/31/2015	08/01/15 00:16	
3-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	08/01/15 00:16	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0682	07/31/2015	08/01/15 00:16	
4-Bromophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
4-Chloro-3-methylphenol	ND	660	1	B5G0682	07/31/2015	08/01/15 00:16	
4-Chloroaniline	ND	660	1	B5G0682	07/31/2015	08/01/15 00:16	
4-Chlorophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
4-Methylphenol	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
4-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	08/01/15 00:16	
4-Nitrophenol	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Acenaphthene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Acenaphthylene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Anthracene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Benzidine (M)	ND	1600	1	B5G0682	07/31/2015	08/01/15 00:16	
Benzo(a)anthracene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Benzo(a)pyrene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Benzo(b)fluoranthene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Benzo(g,h,i)perylene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Benzo(k)fluoranthene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Benzoic acid	ND	1600	1	B5G0682	07/31/2015	08/01/15 00:16	
Benzyl alcohol	ND	660	1	B5G0682	07/31/2015	08/01/15 00:16	
bis(2-chloroethoxy)methane	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
bis(2-Chloroethyl)ether	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Butylbenzylphthalate	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Chrysene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Di-n-butylphthalate	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Di-n-octylphthalate	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Dibenz(a,h)anthracene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Dibenzofuran	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Diethyl phthalate	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Dimethyl phthalate	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Fluoranthene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Fluorene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Hexachlorobenzene	ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Hexachlorobutadiene	ND	660	1	B5G0682	07/31/2015	08/01/15 00:16	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 5'

Lab ID: 1502626-09

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene		ND	660	1	B5G0682	07/31/2015	08/01/15 00:16	
Hexachloroethane		ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Indeno(1,2,3-cd)pyrene		ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Isophorone		ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
N-Nitroso-di-n propylamine		ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
N-Nitrosodiphenylamine		ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Naphthalene		ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Nitrobenzene		ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Pentachlorophenol		ND	1600	1	B5G0682	07/31/2015	08/01/15 00:16	
Phenanthrene		ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Phenol		ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Pyrene		ND	330	1	B5G0682	07/31/2015	08/01/15 00:16	
Pyridine		ND	1600	1	B5G0682	07/31/2015	08/01/15 00:16	
Surrogate: 1,2-Dichlorobenzene-d4	*51.9 %*		*24 - 114*		B5G0682	07/31/2015	*08/01/15 00:16*	
Surrogate: 2,4,6-Tribromophenol	*69.7 %*		*0 - 189*		B5G0682	07/31/2015	*08/01/15 00:16*	
Surrogate: 2-Chlorophenol-d4	*74.0 %*		*23 - 123*		B5G0682	07/31/2015	*08/01/15 00:16*	
Surrogate: 2-Fluorobiphenyl	*52.1 %*		*28 - 128*		B5G0682	07/31/2015	*08/01/15 00:16*	
Surrogate: 2-Fluorophenol	*72.5 %*		*8 - 138*		B5G0682	07/31/2015	*08/01/15 00:16*	
Surrogate: 4-Terphenyl-d14	*68.2 %*		*27 - 154*		B5G0682	07/31/2015	*08/01/15 00:16*	
Surrogate: Nitrobenzene-d5	*74.3 %*		*19 - 129*		B5G0682	07/31/2015	*08/01/15 00:16*	
Surrogate: Phenol-d5	*72.0 %*		*20 - 126*		B5G0682	07/31/2015	*08/01/15 00:16*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B11 / 15'
Lab ID: 1502626-10

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/03/15 17:25	
Arsenic	**4.8**	1.0	1	B5H0010	08/03/2015	08/03/15 17:25	
Barium	**83**	1.0	1	B5H0010	08/03/2015	08/03/15 17:25	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:24	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:25	
Chromium	**14**	1.0	1	B5H0010	08/03/2015	08/03/15 17:25	
Cobalt	**3.5**	1.0	1	B5H0010	08/03/2015	08/03/15 17:25	
Copper	**9.3**	2.0	1	B5H0010	08/03/2015	08/03/15 17:25	
Lead	**6.3**	1.0	1	B5H0010	08/03/2015	08/03/15 17:25	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:25	
Nickel	**5.0**	1.0	1	B5H0010	08/03/2015	08/03/15 17:25	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:25	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:25	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:25	
Vanadium	**29**	1.0	1	B5H0010	08/03/2015	08/03/15 17:25	
Zinc	**21**	1.0	1	B5H0010	08/03/2015	08/03/15 17:25	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:26	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0023	07/27/2015	08/03/15 13:50	
Surrogate: 4-Bromofluorobenzene	*82.0 %*	*37 - 153*		B5H0023	07/27/2015	*08/03/15 13:50*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**120**	10	1	B5G0672	07/31/2015	08/01/15 11:57	
ORO	**610**	10	1	B5G0672	07/31/2015	08/01/15 11:57	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B11 / 15'

Lab ID: 1502626-10

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*123 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 11:57*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:39	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:39	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:39	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:39	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:39	
alpha-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:39	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:39	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 15:39	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:39	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:39	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:39	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:39	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:39	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:39	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:39	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:39	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:39	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:39	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:39	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:39	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 15:39	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 15:39	
Surrogate: Decachlorobiphenyl	*71.3 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 15:39*	
Surrogate: Tetrachloro-m-xylene	*66.5 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 15:39*	

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Client Sample ID B11 / 15'

Lab ID: 1502626-10

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 18:01	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 18:01	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 18:01	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 18:01	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 18:01	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 18:01	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 18:01	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 18:01	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 18:01	
Surrogate: Decachlorobiphenyl	*65.0 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 18:01*	
Surrogate: Tetrachloro-m-xylene	*70.4 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 18:01*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,1,1-Trichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,1,2-Trichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,1-Dichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,1-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,1-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,2,3-Trichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0659	07/31/2015	07/31/15 00:42	
1,2-Dibromoethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,2-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,2-Dichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,2-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,3-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,3-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
1,4-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
2,2-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 15'

Lab ID: 1502626-10

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
4-Chlorotoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
4-Isopropyltoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Benzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Bromobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Bromochloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Bromodichloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Bromoform	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Bromomethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Carbon disulfide	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Carbon tetrachloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Chlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Chloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Chloroform	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Chloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Di-isopropyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Dibromochloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Dibromomethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Dichlorodifluoromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Ethyl Acetate	ND	50	1	B5G0659	07/31/2015	07/31/15 00:42	
Ethyl Ether	ND	50	1	B5G0659	07/31/2015	07/31/15 00:42	
Ethyl tert-butyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Ethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Freon-113	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Hexachlorobutadiene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Isopropylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
m,p-Xylene	ND	10	1	B5G0659	07/31/2015	07/31/15 00:42	
Methylene chloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
MTBE	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
n-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
n-Propylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Naphthalene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
o-Xylene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
sec-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Styrene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 15'

Lab ID: 1502626-10

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
tert-Butanol	ND	100	1	B5G0659	07/31/2015	07/31/15 00:42	
tert-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Tetrachloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Toluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Trichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Trichlorofluoromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Vinyl acetate	ND	50	1	B5G0659	07/31/2015	07/31/15 00:42	
Vinyl chloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 00:42	
Surrogate: 1,2-Dichloroethane-d4	*82.1 %*	*20 - 189*		B5G0659	07/31/2015	*07/31/15 00:42*	
Surrogate: 4-Bromofluorobenzene	*93.0 %*	*20 - 173*		B5G0659	07/31/2015	*07/31/15 00:42*	
Surrogate: Dibromofluoromethane	*105 %*	*26 - 178*		B5G0659	07/31/2015	*07/31/15 00:42*	
Surrogate: Toluene-d8	*96.8 %*	*31 - 166*		B5G0659	07/31/2015	*07/31/15 00:42*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
1,2-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
1,3-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
1,4-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
2,4,5-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
2,4,6-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
2,4-Dichlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:53	
2,4-Dimethylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
2,4-Dinitrophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:53	
2,4-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
2,6-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
2-Chloronaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
2-Chlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
2-Methylnaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
2-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
2-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:53	
2-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 15'

Lab ID: 1502626-10

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0682	07/31/2015	07/31/15 22:53	
3-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:53	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:53	
4-Bromophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
4-Chloro-3-methylphenol	ND	660	1	B5G0682	07/31/2015	07/31/15 22:53	
4-Chloroaniline	ND	660	1	B5G0682	07/31/2015	07/31/15 22:53	
4-Chlorophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
4-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
4-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:53	
4-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Acenaphthene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Acenaphthylene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Benzidine (M)	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:53	
Benzo(a)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Benzo(a)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Benzo(b)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Benzo(g,h,i)perylene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Benzo(k)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Benzoic acid	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:53	
Benzyl alcohol	ND	660	1	B5G0682	07/31/2015	07/31/15 22:53	
bis(2-chloroethoxy)methane	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
bis(2-Chloroethyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Butylbenzylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Chrysene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Di-n-butylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Di-n-octylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Dibenz(a,h)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Dibenzofuran	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Diethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Dimethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Fluorene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Hexachlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Hexachlorobutadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 22:53	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 15'

Lab ID: 1502626-10

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene		ND	660	1	B5G0682	07/31/2015	07/31/15 22:53	
Hexachloroethane		ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Indeno(1,2,3-cd)pyrene		ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Isophorone		ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
N-Nitroso-di-n propylamine		ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
N-Nitrosodiphenylamine		ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Naphthalene		ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Nitrobenzene		ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Pentachlorophenol		ND	1600	1	B5G0682	07/31/2015	07/31/15 22:53	
Phenanthrene		ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Phenol		ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Pyrene		ND	330	1	B5G0682	07/31/2015	07/31/15 22:53	
Pyridine		ND	1600	1	B5G0682	07/31/2015	07/31/15 22:53	
Surrogate: 1,2-Dichlorobenzene-d4	*57.2 %*		*24 - 114*		B5G0682	07/31/2015	*07/31/15 22:53*	
Surrogate: 2,4,6-Tribromophenol	*63.2 %*		*0 - 189*		B5G0682	07/31/2015	*07/31/15 22:53*	
Surrogate: 2-Chlorophenol-d4	*74.9 %*		*23 - 123*		B5G0682	07/31/2015	*07/31/15 22:53*	
Surrogate: 2-Fluorobiphenyl	*55.6 %*		*28 - 128*		B5G0682	07/31/2015	*07/31/15 22:53*	
Surrogate: 2-Fluorophenol	*74.5 %*		*8 - 138*		B5G0682	07/31/2015	*07/31/15 22:53*	
Surrogate: 4-Terphenyl-d14	*66.9 %*		*27 - 154*		B5G0682	07/31/2015	*07/31/15 22:53*	
Surrogate: Nitrobenzene-d5	*77.7 %*		*19 - 129*		B5G0682	07/31/2015	*07/31/15 22:53*	
Surrogate: Phenol-d5	*71.1 %*		*20 - 126*		B5G0682	07/31/2015	*07/31/15 22:53*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B11 / 20'
Lab ID: 1502626-11

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/03/15 17:28	
Arsenic	**4.9**	1.0	1	B5H0010	08/03/2015	08/03/15 17:28	
Barium	**100**	1.0	1	B5H0010	08/03/2015	08/03/15 17:28	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:27	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:28	
Chromium	**18**	1.0	1	B5H0010	08/03/2015	08/03/15 17:28	
Cobalt	**5.8**	1.0	1	B5H0010	08/03/2015	08/03/15 17:28	
Copper	**24**	2.0	1	B5H0010	08/03/2015	08/03/15 17:28	
Lead	**5.7**	1.0	1	B5H0010	08/03/2015	08/03/15 17:28	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:28	
Nickel	**6.0**	1.0	1	B5H0010	08/03/2015	08/03/15 17:28	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:28	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:28	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:28	
Vanadium	**38**	1.0	1	B5H0010	08/03/2015	08/03/15 17:28	
Zinc	**25**	1.0	1	B5H0010	08/03/2015	08/03/15 17:28	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:29	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0023	07/28/2015	08/03/15 14:06	
Surrogate: 4-Bromofluorobenzene	*83.5 %*	*37 - 153*		B5H0023	07/28/2015	*08/03/15 14:06*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**31**	10	1	B5G0672	07/31/2015	08/01/15 11:06	
ORO	**130**	10	1	B5G0672	07/31/2015	08/01/15 11:06	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B11 / 20'
Lab ID: 1502626-11

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*94.2 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 11:06*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:50	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:50	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:50	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:50	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:50	
alpha-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:50	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:50	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 15:50	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:50	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:50	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:50	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:50	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:50	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:50	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:50	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 15:50	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:50	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:50	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:50	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 15:50	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 15:50	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 15:50	
Surrogate: Decachlorobiphenyl	*78.8 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 15:50*	
Surrogate: Tetrachloro-m-xylene	*70.3 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 15:50*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B11 / 20'

Lab ID: 1502626-11

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 18:19	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 18:19	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 18:19	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 18:19	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 18:19	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 18:19	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 18:19	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 18:19	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 18:19	
Surrogate: Decachlorobiphenyl	*73.7 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 18:19*	
Surrogate: Tetrachloro-m-xylene	*72.6 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 18:19*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,1,1-Trichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,1,2-Trichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,1-Dichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,1-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,1-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,2,3-Trichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0659	07/31/2015	07/31/15 01:00	
1,2-Dibromoethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,2-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,2-Dichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,2-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,3-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,3-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
1,4-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
2,2-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 20'

Lab ID: 1502626-11

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
4-Chlorotoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
4-Isopropyltoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Benzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Bromobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Bromochloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Bromodichloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Bromoform	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Bromomethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Carbon disulfide	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Carbon tetrachloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Chlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Chloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Chloroform	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Chloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Di-isopropyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Dibromochloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Dibromomethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Dichlorodifluoromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Ethyl Acetate	ND	50	1	B5G0659	07/31/2015	07/31/15 01:00	
Ethyl Ether	ND	50	1	B5G0659	07/31/2015	07/31/15 01:00	
Ethyl tert-butyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Ethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Freon-113	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Hexachlorobutadiene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Isopropylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
m,p-Xylene	ND	10	1	B5G0659	07/31/2015	07/31/15 01:00	
Methylene chloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
MTBE	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
n-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
n-Propylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Naphthalene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
o-Xylene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
sec-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Styrene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 20'

Lab ID: 1502626-11

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
tert-Butanol	ND	100	1	B5G0659	07/31/2015	07/31/15 01:00	
tert-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Tetrachloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Toluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Trichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Trichlorofluoromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Vinyl acetate	ND	50	1	B5G0659	07/31/2015	07/31/15 01:00	
Vinyl chloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:00	
Surrogate: 1,2-Dichloroethane-d4	*87.7 %*	*20 - 189*		B5G0659	07/31/2015	*07/31/15 01:00*	
Surrogate: 4-Bromofluorobenzene	*90.9 %*	*20 - 173*		B5G0659	07/31/2015	*07/31/15 01:00*	
Surrogate: Dibromofluoromethane	*106 %*	*26 - 178*		B5G0659	07/31/2015	*07/31/15 01:00*	
Surrogate: Toluene-d8	*98.8 %*	*31 - 166*		B5G0659	07/31/2015	*07/31/15 01:00*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
1,2-Dichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
1,3-Dichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
1,4-Dichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
2,4,5-Trichlorophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
2,4,6-Trichlorophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
2,4-Dichlorophenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:07	D1
2,4-Dimethylphenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
2,4-Dinitrophenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:07	D1
2,4-Dinitrotoluene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
2,6-Dinitrotoluene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
2-Chloronaphthalene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
2-Chlorophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
2-Methylnaphthalene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
2-Methylphenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
2-Nitroaniline	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:07	D1
2-Nitrophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 20'

Lab ID: 1502626-11

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	3300	5	B5G0682	07/31/2015	08/01/15 02:07	D1
3-Nitroaniline	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:07	D1
4,6-Dinitro-2-methyphenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:07	D1
4-Bromophenyl-phenylether	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
4-Chloro-3-methylphenol	ND	3300	5	B5G0682	07/31/2015	08/01/15 02:07	D1
4-Chloroaniline	ND	3300	5	B5G0682	07/31/2015	08/01/15 02:07	D1
4-Chlorophenyl-phenylether	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
4-Methylphenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
4-Nitroaniline	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:07	D1
4-Nitrophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Acenaphthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Acenaphthylene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Anthracene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Benzidine (M)	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Benzo(a)anthracene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Benzo(a)pyrene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Benzo(b)fluoranthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Benzo(g,h,i)perylene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Benzo(k)fluoranthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Benzoic acid	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Benzyl alcohol	ND	3300	5	B5G0682	07/31/2015	08/01/15 02:07	D1
bis(2-chloroethoxy)methane	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
bis(2-Chloroethyl)ether	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
bis(2-chloroisopropyl)ether	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
bis(2-ethylhexyl)phthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Butylbenzylphthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Chrysene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Di-n-butylphthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Di-n-octylphthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Dibenz(a,h)anthracene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Dibenzofuran	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Diethyl phthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Dimethyl phthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Fluoranthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Fluorene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Hexachlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Hexachlorobutadiene	ND	3300	5	B5G0682	07/31/2015	08/01/15 02:07	D1

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 20'

Lab ID: 1502626-11

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	3300	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Hexachloroethane	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Indeno(1,2,3-cd)pyrene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Isophorone	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
N-Nitroso-di-n propylamine	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
N-Nitrosodiphenylamine	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Naphthalene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Nitrobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Pentachlorophenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Phenanthrene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Phenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Pyrene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Pyridine	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:07	D1
Surrogate: 1,2-Dichlorobenzene-d4	*64.0 %*	*24 - 114*		B5G0682	07/31/2015	*08/01/15 02:07*	
Surrogate: 2,4,6-Tribromophenol	*54.5 %*	*0 - 189*		B5G0682	07/31/2015	*08/01/15 02:07*	
Surrogate: 2-Chlorophenol-d4	*75.8 %*	*23 - 123*		B5G0682	07/31/2015	*08/01/15 02:07*	
Surrogate: 2-Fluorobiphenyl	*60.6 %*	*28 - 128*		B5G0682	07/31/2015	*08/01/15 02:07*	
Surrogate: 2-Fluorophenol	*75.1 %*	*8 - 138*		B5G0682	07/31/2015	*08/01/15 02:07*	
Surrogate: 4-Terphenyl-d14	*68.6 %*	*27 - 154*		B5G0682	07/31/2015	*08/01/15 02:07*	
Surrogate: Nitrobenzene-d5	*82.7 %*	*19 - 129*		B5G0682	07/31/2015	*08/01/15 02:07*	
Surrogate: Phenol-d5	*72.7 %*	*20 - 126*		B5G0682	07/31/2015	*08/01/15 02:07*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B11 / 30'

Lab ID: 1502626-12

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/03/15 17:31	
Arsenic	**3.6**	1.0	1	B5H0010	08/03/2015	08/03/15 17:31	
Barium	**110**	1.0	1	B5H0010	08/03/2015	08/03/15 17:31	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:30	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:31	
Chromium	**34**	1.0	1	B5H0010	08/03/2015	08/03/15 17:31	
Cobalt	**4.9**	1.0	1	B5H0010	08/03/2015	08/03/15 17:31	
Copper	**14**	2.0	1	B5H0010	08/03/2015	08/03/15 17:31	
Lead	**5.3**	1.0	1	B5H0010	08/03/2015	08/03/15 17:31	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:31	
Nickel	**7.7**	1.0	1	B5H0010	08/03/2015	08/03/15 17:31	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:31	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:31	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:31	
Vanadium	**32**	1.0	1	B5H0010	08/03/2015	08/03/15 17:31	
Zinc	**22**	1.0	1	B5H0010	08/03/2015	08/03/15 17:31	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:35	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0023	07/28/2015	08/03/15 14:21	
Surrogate: 4-Bromofluorobenzene	*68.5 %*	*37 - 153*		B5H0023	07/28/2015	*08/03/15 14:21*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**27**	10	1	B5G0672	07/31/2015	08/01/15 08:49	
ORO	**34**	10	1	B5G0672	07/31/2015	08/01/15 08:49	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 30'
Lab ID: 1502626-12

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*118 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 08:49*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:00	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:00	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:00	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:00	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:00	
alpha-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:00	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:00	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 16:00	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:00	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:00	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:00	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:00	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:00	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:00	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:00	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:00	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:00	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:00	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:00	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:00	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 16:00	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 16:00	
Surrogate: Decachlorobiphenyl	*86.5 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 16:00*	
Surrogate: Tetrachloro-m-xylene	*71.5 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 16:00*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B11 / 30'

Lab ID: 1502626-12

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 18:38	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 18:38	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 18:38	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 18:38	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 18:38	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 18:38	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 18:38	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 18:38	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 18:38	
Surrogate: Decachlorobiphenyl	*81.3 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 18:38*	
Surrogate: Tetrachloro-m-xylene	*79.4 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 18:38*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,1,1-Trichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,1,2-Trichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,1-Dichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,1-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,1-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,2,3-Trichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0659	07/31/2015	07/31/15 01:19	
1,2-Dibromoethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,2-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,2-Dichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,2-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,3-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,3-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
1,4-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
2,2-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 30'

Lab ID: 1502626-12

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
4-Chlorotoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
4-Isopropyltoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Benzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Bromobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Bromochloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Bromodichloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Bromoform	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Bromomethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Carbon disulfide	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Carbon tetrachloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Chlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Chloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Chloroform	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Chloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Di-isopropyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Dibromochloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Dibromomethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Dichlorodifluoromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Ethyl Acetate	ND	50	1	B5G0659	07/31/2015	07/31/15 01:19	
Ethyl Ether	ND	50	1	B5G0659	07/31/2015	07/31/15 01:19	
Ethyl tert-butyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Ethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Freon-113	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Hexachlorobutadiene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Isopropylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
m,p-Xylene	ND	10	1	B5G0659	07/31/2015	07/31/15 01:19	
Methylene chloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
MTBE	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
n-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
n-Propylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Naphthalene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
o-Xylene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
sec-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Styrene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 30'

Lab ID: 1502626-12

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
tert-Butanol	ND	100	1	B5G0659	07/31/2015	07/31/15 01:19	
tert-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Tetrachloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Toluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Trichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Trichlorofluoromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Vinyl acetate	ND	50	1	B5G0659	07/31/2015	07/31/15 01:19	
Vinyl chloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:19	
Surrogate: 1,2-Dichloroethane-d4	*85.8 %*	*20 - 189*		B5G0659	07/31/2015	*07/31/15 01:19*	
Surrogate: 4-Bromofluorobenzene	*93.9 %*	*20 - 173*		B5G0659	07/31/2015	*07/31/15 01:19*	
Surrogate: Dibromofluoromethane	*107 %*	*26 - 178*		B5G0659	07/31/2015	*07/31/15 01:19*	
Surrogate: Toluene-d8	*101 %*	*31 - 166*		B5G0659	07/31/2015	*07/31/15 01:19*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
1,2-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
1,3-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
1,4-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
2,4,5-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
2,4,6-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
2,4-Dichlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:02	
2,4-Dimethylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
2,4-Dinitrophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:02	
2,4-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
2,6-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
2-Chloronaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
2-Chlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
2-Methylnaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
2-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
2-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:02	
2-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 30'

Lab ID: 1502626-12

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0682	07/31/2015	07/31/15 21:02	
3-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:02	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:02	
4-Bromophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
4-Chloro-3-methylphenol	ND	660	1	B5G0682	07/31/2015	07/31/15 21:02	
4-Chloroaniline	ND	660	1	B5G0682	07/31/2015	07/31/15 21:02	
4-Chlorophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
4-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
4-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:02	
4-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Acenaphthene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Acenaphthylene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Benzidine (M)	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:02	
Benzo(a)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Benzo(a)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Benzo(b)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Benzo(g,h,i)perylene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Benzo(k)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Benzoic acid	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:02	
Benzyl alcohol	ND	660	1	B5G0682	07/31/2015	07/31/15 21:02	
bis(2-chloroethoxy)methane	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
bis(2-Chloroethyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Butylbenzylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Chrysene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Di-n-butylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Di-n-octylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Dibenz(a,h)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Dibenzofuran	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Diethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Dimethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Fluorene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Hexachlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Hexachlorobutadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 21:02	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 30'

Lab ID: 1502626-12

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 21:02	
Hexachloroethane	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Isophorone	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
N-Nitroso-di-n propylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
N-Nitrosodiphenylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Naphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Nitrobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Pentachlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:02	
Phenanthrene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Phenol	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 21:02	
Pyridine	ND	1600	1	B5G0682	07/31/2015	07/31/15 21:02	
Surrogate: 1,2-Dichlorobenzene-d4	*59.6 %*	*24 - 114*		B5G0682	07/31/2015	*07/31/15 21:02*	
Surrogate: 2,4,6-Tribromophenol	*69.7 %*	*0 - 189*		B5G0682	07/31/2015	*07/31/15 21:02*	
Surrogate: 2-Chlorophenol-d4	*75.9 %*	*23 - 123*		B5G0682	07/31/2015	*07/31/15 21:02*	
Surrogate: 2-Fluorobiphenyl	*58.3 %*	*28 - 128*		B5G0682	07/31/2015	*07/31/15 21:02*	
Surrogate: 2-Fluorophenol	*77.2 %*	*8 - 138*		B5G0682	07/31/2015	*07/31/15 21:02*	
Surrogate: 4-Terphenyl-d14	*69.7 %*	*27 - 154*		B5G0682	07/31/2015	*07/31/15 21:02*	
Surrogate: Nitrobenzene-d5	*77.8 %*	*19 - 129*		B5G0682	07/31/2015	*07/31/15 21:02*	
Surrogate: Phenol-d5	*73.1 %*	*20 - 126*		B5G0682	07/31/2015	*07/31/15 21:02*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B11 / 35'
Lab ID: 1502626-13

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/03/15 17:34	
Arsenic	**2.1**	1.0	1	B5H0010	08/03/2015	08/03/15 17:34	
Barium	**48**	1.0	1	B5H0010	08/03/2015	08/03/15 17:33	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:33	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:34	
Chromium	**15**	1.0	1	B5H0010	08/03/2015	08/03/15 17:33	
Cobalt	**6.0**	1.0	1	B5H0010	08/03/2015	08/03/15 17:34	
Copper	**8.9**	2.0	1	B5H0010	08/03/2015	08/03/15 17:33	
Lead	**71**	1.0	1	B5H0010	08/03/2015	08/03/15 17:34	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:34	
Nickel	**13**	1.0	1	B5H0010	08/03/2015	08/03/15 17:34	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:34	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:33	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:34	
Vanadium	**23**	1.0	1	B5H0010	08/03/2015	08/03/15 17:33	
Zinc	**20**	1.0	1	B5H0010	08/03/2015	08/03/15 17:34	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:36	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0023	07/28/2015	08/03/15 14:37	
Surrogate: 4-Bromofluorobenzene	*88.1 %*	*37 - 153*		B5H0023	07/28/2015	*08/03/15 14:37*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**31**	10	1	B5G0672	07/31/2015	08/01/15 10:32	
ORO	**51**	10	1	B5G0672	07/31/2015	08/01/15 10:32	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B11 / 35'
Lab ID: 1502626-13

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*114 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 10:32*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:11	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:11	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:11	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:11	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:11	
alpha-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:11	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:11	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 16:11	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:11	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:11	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:11	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:11	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:11	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:11	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:11	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:11	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:11	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:11	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:11	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:11	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 16:11	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 16:11	
Surrogate: Decachlorobiphenyl	*72.1 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 16:11*	
Surrogate: Tetrachloro-m-xylene	*65.2 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 16:11*	

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San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B11 / 35'

Lab ID: 1502626-13

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 18:57	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 18:57	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 18:57	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 18:57	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 18:57	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 18:57	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 18:57	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 18:57	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 18:57	
Surrogate: Decachlorobiphenyl	*83.4 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 18:57*	
Surrogate: Tetrachloro-m-xylene	*80.6 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 18:57*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,1,1-Trichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,1,2-Trichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,1-Dichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,1-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,1-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,2,3-Trichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0659	07/31/2015	07/31/15 01:38	
1,2-Dibromoethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,2-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,2-Dichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,2-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,3-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,3-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
1,4-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
2,2-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 35'

Lab ID: 1502626-13

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
4-Chlorotoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
4-Isopropyltoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Benzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Bromobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Bromochloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Bromodichloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Bromoform	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Bromomethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Carbon disulfide	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Carbon tetrachloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Chlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Chloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Chloroform	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Chloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Di-isopropyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Dibromochloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Dibromomethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Dichlorodifluoromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Ethyl Acetate	ND	50	1	B5G0659	07/31/2015	07/31/15 01:38	
Ethyl Ether	ND	50	1	B5G0659	07/31/2015	07/31/15 01:38	
Ethyl tert-butyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Ethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Freon-113	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Hexachlorobutadiene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Isopropylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
m,p-Xylene	ND	10	1	B5G0659	07/31/2015	07/31/15 01:38	
Methylene chloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
MTBE	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
n-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
n-Propylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Naphthalene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
o-Xylene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
sec-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Styrene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 35'

Lab ID: 1502626-13

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
tert-Butanol	ND	100	1	B5G0659	07/31/2015	07/31/15 01:38	
tert-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Tetrachloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Toluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Trichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Trichlorofluoromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Vinyl acetate	ND	50	1	B5G0659	07/31/2015	07/31/15 01:38	
Vinyl chloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:38	
Surrogate: 1,2-Dichloroethane-d4	*85.0 %*	*20 - 189*		B5G0659	07/31/2015	*07/31/15 01:38*	
Surrogate: 4-Bromofluorobenzene	*94.3 %*	*20 - 173*		B5G0659	07/31/2015	*07/31/15 01:38*	
Surrogate: Dibromofluoromethane	*111 %*	*26 - 178*		B5G0659	07/31/2015	*07/31/15 01:38*	
Surrogate: Toluene-d8	*103 %*	*31 - 166*		B5G0659	07/31/2015	*07/31/15 01:38*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
1,2-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
1,3-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
1,4-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
2,4,5-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
2,4,6-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
2,4-Dichlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:25	
2,4-Dimethylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
2,4-Dinitrophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:25	
2,4-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
2,6-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
2-Chloronaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
2-Chlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
2-Methylnaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
2-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
2-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:25	
2-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	

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San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 35'

Lab ID: 1502626-13

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0682	07/31/2015	07/31/15 22:25	
3-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:25	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:25	
4-Bromophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
4-Chloro-3-methylphenol	ND	660	1	B5G0682	07/31/2015	07/31/15 22:25	
4-Chloroaniline	ND	660	1	B5G0682	07/31/2015	07/31/15 22:25	
4-Chlorophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
4-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
4-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:25	
4-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Acenaphthene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Acenaphthylene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Benzidine (M)	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:25	
Benzo(a)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Benzo(a)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Benzo(b)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Benzo(g,h,i)perylene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Benzo(k)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Benzoic acid	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:25	
Benzyl alcohol	ND	660	1	B5G0682	07/31/2015	07/31/15 22:25	
bis(2-chloroethoxy)methane	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
bis(2-Chloroethyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Butylbenzylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Chrysene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Di-n-butylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Di-n-octylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Dibenz(a,h)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Dibenzofuran	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Diethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Dimethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Fluorene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Hexachlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Hexachlorobutadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 22:25	

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Client Sample ID B11 / 35'

Lab ID: 1502626-13

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 22:25	
Hexachloroethane	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Isophorone	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
N-Nitroso-di-n propylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
N-Nitrosodiphenylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Naphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Nitrobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Pentachlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:25	
Phenanthrene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Phenol	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 22:25	
Pyridine	ND	1600	1	B5G0682	07/31/2015	07/31/15 22:25	
Surrogate: 1,2-Dichlorobenzene-d4	*66.9 %*	*24 - 114*		B5G0682	07/31/2015	*07/31/15 22:25*	
Surrogate: 2,4,6-Tribromophenol	*64.8 %*	*0 - 189*		B5G0682	07/31/2015	*07/31/15 22:25*	
Surrogate: 2-Chlorophenol-d4	*78.1 %*	*23 - 123*		B5G0682	07/31/2015	*07/31/15 22:25*	
Surrogate: 2-Fluorobiphenyl	*67.8 %*	*28 - 128*		B5G0682	07/31/2015	*07/31/15 22:25*	
Surrogate: 2-Fluorophenol	*78.8 %*	*8 - 138*		B5G0682	07/31/2015	*07/31/15 22:25*	
Surrogate: 4-Terphenyl-d14	*75.5 %*	*27 - 154*		B5G0682	07/31/2015	*07/31/15 22:25*	
Surrogate: Nitrobenzene-d5	*80.5 %*	*19 - 129*		B5G0682	07/31/2015	*07/31/15 22:25*	
Surrogate: Phenol-d5	*73.7 %*	*20 - 126*		B5G0682	07/31/2015	*07/31/15 22:25*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B11 / 45'
Lab ID: 1502626-14

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/03/15 17:37	
Arsenic	**2.8**	1.0	1	B5H0010	08/03/2015	08/03/15 17:37	
Barium	**69**	1.0	1	B5H0010	08/03/2015	08/03/15 17:37	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:37	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:37	
Chromium	**160**	1.0	1	B5H0010	08/03/2015	08/03/15 17:37	
Cobalt	**6.6**	1.0	1	B5H0010	08/03/2015	08/03/15 17:37	
Copper	**24**	2.0	1	B5H0010	08/03/2015	08/03/15 17:37	
Lead	**10**	1.0	1	B5H0010	08/03/2015	08/03/15 17:37	
Molybdenum	**1.3**	1.0	1	B5H0010	08/03/2015	08/03/15 17:37	
Nickel	**16**	1.0	1	B5H0010	08/03/2015	08/03/15 17:37	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:37	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:37	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/03/15 17:37	
Vanadium	**24**	1.0	1	B5H0010	08/03/2015	08/03/15 17:37	
Zinc	**21**	1.0	1	B5H0010	08/03/2015	08/03/15 17:37	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:38	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0023	07/28/2015	08/03/15 14:53	
Surrogate: 4-Bromofluorobenzene	*83.6 %*	*37 - 153*		B5H0023	07/28/2015	*08/03/15 14:53*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**38**	10	1	B5G0672	07/31/2015	08/01/15 09:40	
ORO	**110**	10	1	B5G0672	07/31/2015	08/01/15 09:40	

Certificate of Analysis

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Client Sample ID B11 / 45'
Lab ID: 1502626-14

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*116 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 09:40*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:21	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:21	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:21	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:21	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:21	
alpha-Chlordane [2C]	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:21	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:21	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 16:21	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:21	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:21	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:21	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:21	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:21	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:21	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:21	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:21	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:21	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:21	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:21	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:21	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 16:21	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 16:21	
Surrogate: Decachlorobiphenyl	*72.1 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 16:21*	
Surrogate: Tetrachloro-m-xylene	*61.4 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 16:21*	

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Client Sample ID B11 / 45'

Lab ID: 1502626-14

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 19:16	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 19:16	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 19:16	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 19:16	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 19:16	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 19:16	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 19:16	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 19:16	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 19:16	
Surrogate: Decachlorobiphenyl	*82.7 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 19:16*	
Surrogate: Tetrachloro-m-xylene	*73.0 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 19:16*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,1,1-Trichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,1,2-Trichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,1-Dichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,1-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,1-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,2,3-Trichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0659	07/31/2015	07/31/15 01:56	
1,2-Dibromoethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,2-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,2-Dichloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,2-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,3-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,3-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
1,4-Dichlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
2,2-Dichloropropane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 45'

Lab ID: 1502626-14

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
4-Chlorotoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
4-Isopropyltoluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Benzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Bromobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Bromochloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Bromodichloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Bromoform	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Bromomethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Carbon disulfide	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Carbon tetrachloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Chlorobenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Chloroethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Chloroform	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Chloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Di-isopropyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Dibromochloromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Dibromomethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Dichlorodifluoromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Ethyl Acetate	ND	50	1	B5G0659	07/31/2015	07/31/15 01:56	
Ethyl Ether	ND	50	1	B5G0659	07/31/2015	07/31/15 01:56	
Ethyl tert-butyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Ethylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Freon-113	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Hexachlorobutadiene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Isopropylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
m,p-Xylene	ND	10	1	B5G0659	07/31/2015	07/31/15 01:56	
Methylene chloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
MTBE	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
n-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
n-Propylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Naphthalene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
o-Xylene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
sec-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Styrene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	

Certificate of Analysis

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Client Sample ID B11 / 45'

Lab ID: 1502626-14

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
tert-Butanol	ND	100	1	B5G0659	07/31/2015	07/31/15 01:56	
tert-Butylbenzene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Tetrachloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Toluene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Trichloroethene	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Trichlorofluoromethane	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Vinyl acetate	ND	50	1	B5G0659	07/31/2015	07/31/15 01:56	
Vinyl chloride	ND	5.0	1	B5G0659	07/31/2015	07/31/15 01:56	
Surrogate: 1,2-Dichloroethane-d4	*91.0 %*	*20 - 189*		B5G0659	07/31/2015	*07/31/15 01:56*	
Surrogate: 4-Bromofluorobenzene	*93.9 %*	*20 - 173*		B5G0659	07/31/2015	*07/31/15 01:56*	
Surrogate: Dibromofluoromethane	*108 %*	*26 - 178*		B5G0659	07/31/2015	*07/31/15 01:56*	
Surrogate: Toluene-d8	*97.7 %*	*31 - 166*		B5G0659	07/31/2015	*07/31/15 01:56*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
1,2-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
1,3-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
1,4-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
2,4,5-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
2,4,6-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
2,4-Dichlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:34	
2,4-Dimethylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
2,4-Dinitrophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:34	
2,4-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
2,6-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
2-Chloronaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
2-Chlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
2-Methylnaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
2-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
2-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:34	
2-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	

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Client Sample ID B11 / 45'

Lab ID: 1502626-14

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0682	07/31/2015	07/31/15 20:34	
3-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:34	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:34	
4-Bromophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
4-Chloro-3-methylphenol	ND	660	1	B5G0682	07/31/2015	07/31/15 20:34	
4-Chloroaniline	ND	660	1	B5G0682	07/31/2015	07/31/15 20:34	
4-Chlorophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
4-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
4-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:34	
4-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Acenaphthene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Acenaphthylene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Benzidine (M)	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:34	
Benzo(a)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Benzo(a)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Benzo(b)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Benzo(g,h,i)perylene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Benzo(k)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Benzoic acid	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:34	
Benzyl alcohol	ND	660	1	B5G0682	07/31/2015	07/31/15 20:34	
bis(2-chloroethoxy)methane	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
bis(2-Chloroethyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Butylbenzylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Chrysene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Di-n-butylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Di-n-octylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Dibenz(a,h)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Dibenzofuran	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Diethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Dimethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Fluorene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Hexachlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Hexachlorobutadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 20:34	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B11 / 45'

Lab ID: 1502626-14

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 20:34	
Hexachloroethane	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Isophorone	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
N-Nitroso-di-n propylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
N-Nitrosodiphenylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Naphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Nitrobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Pentachlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:34	
Phenanthrene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Phenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:34	
Pyridine	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:34	
Surrogate: 1,2-Dichlorobenzene-d4	*71.5 %*	*24 - 114*		B5G0682	07/31/2015	*07/31/15 20:34*	
Surrogate: 2,4,6-Tribromophenol	*65.3 %*	*0 - 189*		B5G0682	07/31/2015	*07/31/15 20:34*	
Surrogate: 2-Chlorophenol-d4	*78.8 %*	*23 - 123*		B5G0682	07/31/2015	*07/31/15 20:34*	
Surrogate: 2-Fluorobiphenyl	*74.5 %*	*28 - 128*		B5G0682	07/31/2015	*07/31/15 20:34*	
Surrogate: 2-Fluorophenol	*78.3 %*	*8 - 138*		B5G0682	07/31/2015	*07/31/15 20:34*	
Surrogate: 4-Terphenyl-d14	*73.7 %*	*27 - 154*		B5G0682	07/31/2015	*07/31/15 20:34*	
Surrogate: Nitrobenzene-d5	*82.5 %*	*19 - 129*		B5G0682	07/31/2015	*07/31/15 20:34*	
Surrogate: Phenol-d5	*73.7 %*	*20 - 126*		B5G0682	07/31/2015	*07/31/15 20:34*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B12 / 5'
Lab ID: 1502626-15

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/04/15 09:43	
Arsenic	**4.1**	1.0	1	B5H0010	08/03/2015	08/04/15 09:43	
Barium	**62**	1.0	1	B5H0010	08/03/2015	08/04/15 09:42	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:42	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:43	
Chromium	**44**	1.0	1	B5H0010	08/03/2015	08/04/15 09:42	
Cobalt	**2.9**	1.0	1	B5H0010	08/03/2015	08/04/15 09:43	
Copper	**20**	2.0	1	B5H0010	08/03/2015	08/04/15 09:42	
Lead	**18**	1.0	1	B5H0010	08/03/2015	08/04/15 09:43	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:43	
Nickel	**5.4**	1.0	1	B5H0010	08/03/2015	08/04/15 09:43	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:43	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:42	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:43	
Vanadium	**19**	1.0	1	B5H0010	08/03/2015	08/04/15 09:42	
Zinc	**70**	1.0	1	B5H0010	08/03/2015	08/04/15 09:42	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:40	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0086	07/28/2015	08/04/15 21:11	
Surrogate: 4-Bromofluorobenzene	*78.8 %*	*37 - 153*		B5H0086	07/28/2015	*08/04/15 21:11*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0672	07/31/2015	08/01/15 09:06	
ORO	**30**	10	1	B5G0672	07/31/2015	08/01/15 09:06	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B12 / 5'
Lab ID: 1502626-15

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*96.7 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 09:06*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:32	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:32	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:32	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:32	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:32	
alpha-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:32	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:32	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 16:32	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:32	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:32	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:32	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:32	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:32	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:32	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:32	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:32	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:32	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:32	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:32	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:32	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 16:32	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 16:32	
Surrogate: Decachlorobiphenyl	*77.8 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 16:32*	
Surrogate: Tetrachloro-m-xylene	*67.6 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 16:32*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B12 / 5'

Lab ID: 1502626-15

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 19:35	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 19:35	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 19:35	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 19:35	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 19:35	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 19:35	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 19:35	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 19:35	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 19:35	
Surrogate: Decachlorobiphenyl	*84.3 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 19:35*	
Surrogate: Tetrachloro-m-xylene	*78.7 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 19:35*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,1,1-Trichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,1,2-Trichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,1-Dichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,1-Dichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,1-Dichloropropene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,2,3-Trichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0687	07/31/2015	07/31/15 16:44	
1,2-Dibromoethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,2-Dichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,2-Dichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,2-Dichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,3-Dichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,3-Dichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
1,4-Dichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
2,2-Dichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B12 / 5'

Lab ID: 1502626-15

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
4-Chlorotoluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
4-Isopropyltoluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Benzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Bromobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Bromochloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Bromodichloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Bromoform	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Bromomethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Carbon disulfide	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Carbon tetrachloride	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Chlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Chloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Chloroform	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Chloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Di-isopropyl ether	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Dibromochloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Dibromomethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Dichlorodifluoromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Ethyl Acetate	ND	50	1	B5G0687	07/31/2015	07/31/15 16:44	
Ethyl Ether	ND	50	1	B5G0687	07/31/2015	07/31/15 16:44	
Ethyl tert-butyl ether	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Ethylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Freon-113	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Hexachlorobutadiene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Isopropylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
m,p-Xylene	ND	10	1	B5G0687	07/31/2015	07/31/15 16:44	
Methylene chloride	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
MTBE	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
n-Butylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
n-Propylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Naphthalene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
o-Xylene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
sec-Butylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Styrene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B12 / 5'

Lab ID: 1502626-15

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
tert-Butanol	ND	100	1	B5G0687	07/31/2015	07/31/15 16:44	
tert-Butylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Tetrachloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Toluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Trichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Trichlorofluoromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Vinyl acetate	ND	50	1	B5G0687	07/31/2015	07/31/15 16:44	
Vinyl chloride	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:44	
Surrogate: 1,2-Dichloroethane-d4	*84.1 %*	*20 - 189*		B5G0687	07/31/2015	*07/31/15 16:44*	
Surrogate: 4-Bromofluorobenzene	*90.1 %*	*20 - 173*		B5G0687	07/31/2015	*07/31/15 16:44*	
Surrogate: Dibromofluoromethane	*105 %*	*26 - 178*		B5G0687	07/31/2015	*07/31/15 16:44*	
Surrogate: Toluene-d8	*98.7 %*	*31 - 166*		B5G0687	07/31/2015	*07/31/15 16:44*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
1,2-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
1,3-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
1,4-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
2,4,5-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
2,4,6-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
2,4-Dichlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:06	
2,4-Dimethylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
2,4-Dinitrophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:06	
2,4-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
2,6-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
2-Chloronaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
2-Chlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
2-Methylnaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
2-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
2-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:06	
2-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B12 / 5'

Lab ID: 1502626-15

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0682	07/31/2015	07/31/15 20:06	
3-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:06	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:06	
4-Bromophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
4-Chloro-3-methylphenol	ND	660	1	B5G0682	07/31/2015	07/31/15 20:06	
4-Chloroaniline	ND	660	1	B5G0682	07/31/2015	07/31/15 20:06	
4-Chlorophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
4-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
4-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:06	
4-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Acenaphthene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Acenaphthylene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Benzidine (M)	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:06	
Benzo(a)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Benzo(a)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Benzo(b)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Benzo(g,h,i)perylene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Benzo(k)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Benzoic acid	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:06	
Benzyl alcohol	ND	660	1	B5G0682	07/31/2015	07/31/15 20:06	
bis(2-chloroethoxy)methane	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
bis(2-Chloroethyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Butylbenzylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Chrysene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Di-n-butylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Di-n-octylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Dibenz(a,h)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Dibenzofuran	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Diethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Dimethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Fluorene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Hexachlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Hexachlorobutadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 20:06	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B12 / 5'

Lab ID: 1502626-15

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 20:06	
Hexachloroethane	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Isophorone	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
N-Nitroso-di-n propylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
N-Nitrosodiphenylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Naphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Nitrobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Pentachlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:06	
Phenanthrene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Phenol	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 20:06	
Pyridine	ND	1600	1	B5G0682	07/31/2015	07/31/15 20:06	
Surrogate: 1,2-Dichlorobenzene-d4	*56.1 %*	*24 - 114*		B5G0682	07/31/2015	*07/31/15 20:06*	
Surrogate: 2,4,6-Tribromophenol	*61.8 %*	*0 - 189*		B5G0682	07/31/2015	*07/31/15 20:06*	
Surrogate: 2-Chlorophenol-d4	*78.0 %*	*23 - 123*		B5G0682	07/31/2015	*07/31/15 20:06*	
Surrogate: 2-Fluorobiphenyl	*53.2 %*	*28 - 128*		B5G0682	07/31/2015	*07/31/15 20:06*	
Surrogate: 2-Fluorophenol	*79.3 %*	*8 - 138*		B5G0682	07/31/2015	*07/31/15 20:06*	
Surrogate: 4-Terphenyl-d14	*62.4 %*	*27 - 154*		B5G0682	07/31/2015	*07/31/15 20:06*	
Surrogate: Nitrobenzene-d5	*80.8 %*	*19 - 129*		B5G0682	07/31/2015	*07/31/15 20:06*	
Surrogate: Phenol-d5	*74.4 %*	*20 - 126*		B5G0682	07/31/2015	*07/31/15 20:06*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B12 / 15'

Lab ID: 1502626-16

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/04/15 09:46	
Arsenic	**2.7**	1.0	1	B5H0010	08/03/2015	08/04/15 09:46	
Barium	**130**	1.0	1	B5H0010	08/03/2015	08/04/15 09:46	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:45	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:46	
Chromium	**3.3**	1.0	1	B5H0010	08/03/2015	08/04/15 09:46	
Cobalt	**4.6**	1.0	1	B5H0010	08/03/2015	08/04/15 09:46	
Copper	**5.3**	2.0	1	B5H0010	08/03/2015	08/04/15 09:46	
Lead	**6.5**	1.0	1	B5H0010	08/03/2015	08/04/15 09:46	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:46	
Nickel	**2.8**	1.0	1	B5H0010	08/03/2015	08/04/15 09:46	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:46	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:46	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:46	
Vanadium	**16**	1.0	1	B5H0010	08/03/2015	08/04/15 09:46	
Zinc	**11**	1.0	1	B5H0010	08/03/2015	08/04/15 09:46	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:42	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0086	07/28/2015	08/04/15 21:27	
Surrogate: 4-Bromofluorobenzene	*88.0 %*	*37 - 153*		B5H0086	07/28/2015	*08/04/15 21:27*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0672	07/31/2015	08/01/15 07:06	
ORO	ND	10	1	B5G0672	07/31/2015	08/01/15 07:06	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B12 / 15'
Lab ID: 1502626-16

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*120 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 07:06*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:42	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:42	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:42	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:42	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:42	
alpha-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:42	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:42	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 16:42	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:42	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:42	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:42	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:42	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:42	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:42	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:42	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:42	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:42	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:42	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:42	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:42	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 16:42	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 16:42	
Surrogate: Decachlorobiphenyl	*85.1 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 16:42*	
Surrogate: Tetrachloro-m-xylene	*79.1 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 16:42*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B12 / 15'

Lab ID: 1502626-16

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 19:54	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 19:54	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 19:54	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 19:54	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 19:54	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 19:54	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 19:54	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 19:54	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 19:54	
Surrogate: Decachlorobiphenyl	*83.3 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 19:54*	
Surrogate: Tetrachloro-m-xylene	*73.2 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 19:54*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,1,1-Trichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,1,2-Trichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,1-Dichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,1-Dichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,1-Dichloropropene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,2,3-Trichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0687	07/31/2015	07/31/15 17:02	
1,2-Dibromoethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,2-Dichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,2-Dichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,2-Dichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,3-Dichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,3-Dichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
1,4-Dichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
2,2-Dichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
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Client Sample ID B12 / 15'

Lab ID: 1502626-16

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
4-Chlorotoluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
4-Isopropyltoluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Benzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Bromobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Bromochloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Bromodichloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Bromoform	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Bromomethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Carbon disulfide	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Carbon tetrachloride	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Chlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Chloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Chloroform	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Chloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Di-isopropyl ether	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Dibromochloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Dibromomethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Dichlorodifluoromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Ethyl Acetate	ND	50	1	B5G0687	07/31/2015	07/31/15 17:02	
Ethyl Ether	ND	50	1	B5G0687	07/31/2015	07/31/15 17:02	
Ethyl tert-butyl ether	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Ethylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Freon-113	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Hexachlorobutadiene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Isopropylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
m,p-Xylene	ND	10	1	B5G0687	07/31/2015	07/31/15 17:02	
Methylene chloride	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
MTBE	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
n-Butylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
n-Propylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Naphthalene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
o-Xylene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
sec-Butylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Styrene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B12 / 15'

Lab ID: 1502626-16

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
tert-Butanol	ND	100	1	B5G0687	07/31/2015	07/31/15 17:02	
tert-Butylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Tetrachloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Toluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Trichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Trichlorofluoromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Vinyl acetate	ND	50	1	B5G0687	07/31/2015	07/31/15 17:02	
Vinyl chloride	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:02	
Surrogate: 1,2-Dichloroethane-d4	*83.6 %*	*20 - 189*		B5G0687	07/31/2015	*07/31/15 17:02*	
Surrogate: 4-Bromofluorobenzene	*92.5 %*	*20 - 173*		B5G0687	07/31/2015	*07/31/15 17:02*	
Surrogate: Dibromofluoromethane	*102 %*	*26 - 178*		B5G0687	07/31/2015	*07/31/15 17:02*	
Surrogate: Toluene-d8	*96.9 %*	*31 - 166*		B5G0687	07/31/2015	*07/31/15 17:02*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
1,2-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
1,3-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
1,4-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
2,4,5-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
2,4,6-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
2,4-Dichlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:13	
2,4-Dimethylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
2,4-Dinitrophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:13	
2,4-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
2,6-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
2-Chloronaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
2-Chlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
2-Methylnaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
2-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
2-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:13	
2-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B12 / 15'

Lab ID: 1502626-16

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0682	07/31/2015	07/31/15 18:13	
3-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:13	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:13	
4-Bromophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
4-Chloro-3-methylphenol	ND	660	1	B5G0682	07/31/2015	07/31/15 18:13	
4-Chloroaniline	ND	660	1	B5G0682	07/31/2015	07/31/15 18:13	
4-Chlorophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
4-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
4-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:13	
4-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Acenaphthene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Acenaphthylene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Benzidine (M)	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:13	
Benzo(a)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Benzo(a)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Benzo(b)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Benzo(g,h,i)perylene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Benzo(k)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Benzoic acid	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:13	
Benzyl alcohol	ND	660	1	B5G0682	07/31/2015	07/31/15 18:13	
bis(2-chloroethoxy)methane	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
bis(2-Chloroethyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Butylbenzylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Chrysene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Di-n-butylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Di-n-octylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Dibenz(a,h)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Dibenzofuran	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Diethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Dimethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Fluorene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Hexachlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Hexachlorobutadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 18:13	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B12 / 15'

Lab ID: 1502626-16

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 18:13	
Hexachloroethane	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Isophorone	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
N-Nitroso-di-n propylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
N-Nitrosodiphenylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Naphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Nitrobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Pentachlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:13	
Phenanthrene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Phenol	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 18:13	
Pyridine	ND	1600	1	B5G0682	07/31/2015	07/31/15 18:13	
Surrogate: 1,2-Dichlorobenzene-d4	*75.7 %*	*24 - 114*		B5G0682	07/31/2015	*07/31/15 18:13*	
Surrogate: 2,4,6-Tribromophenol	*69.0 %*	*0 - 189*		B5G0682	07/31/2015	*07/31/15 18:13*	
Surrogate: 2-Chlorophenol-d4	*84.4 %*	*23 - 123*		B5G0682	07/31/2015	*07/31/15 18:13*	
Surrogate: 2-Fluorobiphenyl	*80.9 %*	*28 - 128*		B5G0682	07/31/2015	*07/31/15 18:13*	
Surrogate: 2-Fluorophenol	*85.2 %*	*8 - 138*		B5G0682	07/31/2015	*07/31/15 18:13*	
Surrogate: 4-Terphenyl-d14	*86.7 %*	*27 - 154*		B5G0682	07/31/2015	*07/31/15 18:13*	
Surrogate: Nitrobenzene-d5	*91.2 %*	*19 - 129*		B5G0682	07/31/2015	*07/31/15 18:13*	
Surrogate: Phenol-d5	*79.8 %*	*20 - 126*		B5G0682	07/31/2015	*07/31/15 18:13*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B12 / 25'
Lab ID: 1502626-17

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/04/15 09:49	
Arsenic	**4.4**	1.0	1	B5H0010	08/03/2015	08/04/15 09:49	
Barium	**85**	1.0	1	B5H0010	08/03/2015	08/04/15 09:49	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:48	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:49	
Chromium	**15**	1.0	1	B5H0010	08/03/2015	08/04/15 09:49	
Cobalt	**6.0**	1.0	1	B5H0010	08/03/2015	08/04/15 09:49	
Copper	**20**	2.0	1	B5H0010	08/03/2015	08/04/15 09:49	
Lead	**13**	1.0	1	B5H0010	08/03/2015	08/04/15 09:49	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:49	
Nickel	**8.0**	1.0	1	B5H0010	08/03/2015	08/04/15 09:49	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:49	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:49	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:49	
Vanadium	**31**	1.0	1	B5H0010	08/03/2015	08/04/15 09:49	
Zinc	**40**	1.0	1	B5H0010	08/03/2015	08/04/15 09:49	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:44	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0086	07/28/2015	08/04/15 21:43	
Surrogate: 4-Bromofluorobenzene	*79.8 %*	*37 - 153*		B5H0086	07/28/2015	*08/04/15 21:43*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**67**	10	1	B5G0672	07/31/2015	08/01/15 11:23	
ORO	**230**	10	1	B5G0672	07/31/2015	08/01/15 11:23	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B12 / 25'
Lab ID: 1502626-17

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*121 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 11:23*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD [2C]	**3.0**	2.0	1	B5H0033	08/03/2015	08/03/15 16:53	
4,4´-DDE [2C]	**4.4**	2.0	1	B5H0033	08/03/2015	08/03/15 16:53	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:53	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:53	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:53	
alpha-Chlordane	**9.7**	1.0	1	B5H0033	08/03/2015	08/03/15 16:53	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:53	
Chlordane	**63**	8.5	1	B5H0033	08/03/2015	08/03/15 16:53	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:53	
Dieldrin	**2.4**	2.0	1	B5H0033	08/03/2015	08/03/15 16:53	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:53	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:53	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:53	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:53	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:53	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 16:53	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:53	
gamma-Chlordane [2C]	**9.3**	1.0	1	B5H0033	08/03/2015	08/03/15 16:53	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:53	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 16:53	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 16:53	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 16:53	
Surrogate: Decachlorobiphenyl	*72.8 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 16:53*	
Surrogate: Tetrachloro-m-xylene	*61.4 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 16:53*	

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B12 / 25'

Lab ID: 1502626-17

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 20:12	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 20:12	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 20:12	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 20:12	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 20:12	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 20:12	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 20:12	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 20:12	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 20:12	
Surrogate: Decachlorobiphenyl	*74.2 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 20:12*	
Surrogate: Tetrachloro-m-xylene	*71.2 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 20:12*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,1,1-Trichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,1,2-Trichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,1-Dichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,1-Dichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,1-Dichloropropene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,2,3-Trichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0687	07/31/2015	07/31/15 17:21	
1,2-Dibromoethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,2-Dichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,2-Dichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,2-Dichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,3-Dichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,3-Dichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
1,4-Dichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
2,2-Dichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	

Certificate of Analysis

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San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B12 / 25'

Lab ID: 1502626-17

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
4-Chlorotoluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
4-Isopropyltoluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Benzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Bromobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Bromochloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Bromodichloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Bromoform	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Bromomethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Carbon disulfide	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Carbon tetrachloride	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Chlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Chloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Chloroform	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Chloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Di-isopropyl ether	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Dibromochloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Dibromomethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Dichlorodifluoromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Ethyl Acetate	ND	50	1	B5G0687	07/31/2015	07/31/15 17:21	
Ethyl Ether	ND	50	1	B5G0687	07/31/2015	07/31/15 17:21	
Ethyl tert-butyl ether	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Ethylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Freon-113	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Hexachlorobutadiene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Isopropylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
m,p-Xylene	ND	10	1	B5G0687	07/31/2015	07/31/15 17:21	
Methylene chloride	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
MTBE	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
n-Butylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
n-Propylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Naphthalene	**12**	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
o-Xylene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
sec-Butylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Styrene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B12 / 25'

Lab ID: 1502626-17

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
tert-Butanol	ND	100	1	B5G0687	07/31/2015	07/31/15 17:21	
tert-Butylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Tetrachloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Toluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Trichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Trichlorofluoromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Vinyl acetate	ND	50	1	B5G0687	07/31/2015	07/31/15 17:21	
Vinyl chloride	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:21	
Surrogate: 1,2-Dichloroethane-d4	*84.5 %*	*20 - 189*		B5G0687	07/31/2015	*07/31/15 17:21*	
Surrogate: 4-Bromofluorobenzene	*95.0 %*	*20 - 173*		B5G0687	07/31/2015	*07/31/15 17:21*	
Surrogate: Dibromofluoromethane	*104 %*	*26 - 178*		B5G0687	07/31/2015	*07/31/15 17:21*	
Surrogate: Toluene-d8	*98.3 %*	*31 - 166*		B5G0687	07/31/2015	*07/31/15 17:21*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
1,2-Dichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
1,3-Dichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
1,4-Dichlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
2,4,5-Trichlorophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
2,4,6-Trichlorophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
2,4-Dichlorophenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:35	D1
2,4-Dimethylphenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
2,4-Dinitrophenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:35	D1
2,4-Dinitrotoluene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
2,6-Dinitrotoluene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
2-Chloronaphthalene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
2-Chlorophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
2-Methylnaphthalene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
2-Methylphenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
2-Nitroaniline	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:35	D1
2-Nitrophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B12 / 25'

Lab ID: 1502626-17

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	3300	5	B5G0682	07/31/2015	08/01/15 02:35	D1
3-Nitroaniline	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:35	D1
4,6-Dinitro-2-methyphenol	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:35	D1
4-Bromophenyl-phenylether	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
4-Chloro-3-methylphenol	ND	3300	5	B5G0682	07/31/2015	08/01/15 02:35	D1
4-Chloroaniline	ND	3300	5	B5G0682	07/31/2015	08/01/15 02:35	D1
4-Chlorophenyl-phenylether	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
4-Methylphenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
4-Nitroaniline	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:35	D1
4-Nitrophenol	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Acenaphthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Acenaphthylene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Anthracene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Benzidine (M)	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Benzo(a)anthracene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Benzo(a)pyrene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Benzo(b)fluoranthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Benzo(g,h,i)perylene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Benzo(k)fluoranthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Benzoic acid	ND	8200	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Benzyl alcohol	ND	3300	5	B5G0682	07/31/2015	08/01/15 02:35	D1
bis(2-chloroethoxy)methane	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
bis(2-Chloroethyl)ether	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
bis(2-chloroisopropyl)ether	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
bis(2-ethylhexyl)phthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Butylbenzylphthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Chrysene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Di-n-butylphthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Di-n-octylphthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Dibenz(a,h)anthracene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Dibenzofuran	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Diethyl phthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Dimethyl phthalate	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Fluoranthene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Fluorene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Hexachlorobenzene	ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Hexachlorobutadiene	ND	3300	5	B5G0682	07/31/2015	08/01/15 02:35	D1

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B12 / 25'

Lab ID: 1502626-17

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene		ND	3300	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Hexachloroethane		ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Indeno(1,2,3-cd)pyrene		ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Isophorone		ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
N-Nitroso-di-n propylamine		ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
N-Nitrosodiphenylamine		ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Naphthalene		ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Nitrobenzene		ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Pentachlorophenol		ND	8200	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Phenanthrene		ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Phenol		ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Pyrene		ND	1600	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Pyridine		ND	8200	5	B5G0682	07/31/2015	08/01/15 02:35	D1
Surrogate: 1,2-Dichlorobenzene-d4	*70.4 %*		*24 - 114*		B5G0682	07/31/2015	*08/01/15 02:35*	
Surrogate: 2,4,6-Tribromophenol	*53.9 %*		*0 - 189*		B5G0682	07/31/2015	*08/01/15 02:35*	
Surrogate: 2-Chlorophenol-d4	*77.8 %*		*23 - 123*		B5G0682	07/31/2015	*08/01/15 02:35*	
Surrogate: 2-Fluorobiphenyl	*74.0 %*		*28 - 128*		B5G0682	07/31/2015	*08/01/15 02:35*	
Surrogate: 2-Fluorophenol	*76.6 %*		*8 - 138*		B5G0682	07/31/2015	*08/01/15 02:35*	
Surrogate: 4-Terphenyl-d14	*76.6 %*		*27 - 154*		B5G0682	07/31/2015	*08/01/15 02:35*	
Surrogate: Nitrobenzene-d5	*83.9 %*		*19 - 129*		B5G0682	07/31/2015	*08/01/15 02:35*	
Surrogate: Phenol-d5	*74.0 %*		*20 - 126*		B5G0682	07/31/2015	*08/01/15 02:35*	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B12 / 35'
Lab ID: 1502626-18

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0010	08/03/2015	08/04/15 09:53	
Arsenic	**1.9**	1.0	1	B5H0010	08/03/2015	08/04/15 09:53	
Barium	**79**	1.0	1	B5H0010	08/03/2015	08/04/15 09:52	
Beryllium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:51	
Cadmium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:53	
Chromium	**25**	1.0	1	B5H0010	08/03/2015	08/04/15 09:52	
Cobalt	**8.5**	1.0	1	B5H0010	08/03/2015	08/04/15 09:53	
Copper	**3.1**	2.0	1	B5H0010	08/03/2015	08/04/15 09:52	
Lead	**2.1**	1.0	1	B5H0010	08/03/2015	08/04/15 09:53	
Molybdenum	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:53	
Nickel	**28**	1.0	1	B5H0010	08/03/2015	08/04/15 09:52	
Selenium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:53	
Silver	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:52	
Thallium	ND	1.0	1	B5H0010	08/03/2015	08/04/15 09:53	
Vanadium	**19**	1.0	1	B5H0010	08/03/2015	08/04/15 09:52	
Zinc	**10**	1.0	1	B5H0010	08/03/2015	08/04/15 09:53	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0012	08/03/2015	08/04/15 08:46	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0086	07/28/2015	08/04/15 21:59	
Surrogate: 4-Bromofluorobenzene	*90.6 %*	*37 - 153*		B5H0086	07/28/2015	*08/04/15 21:59*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0672	07/31/2015	08/01/15 07:23	
ORO	ND	10	1	B5G0672	07/31/2015	08/01/15 07:23	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B12 / 35'
Lab ID: 1502626-18

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*118 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 07:23*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:03	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:03	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:03	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:03	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:03	
alpha-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:03	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:03	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 17:03	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:03	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:03	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:03	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:03	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:03	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:03	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:03	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:03	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:03	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:03	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:03	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:03	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 17:03	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 17:03	
Surrogate: Decachlorobiphenyl	*80.9 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 17:03*	
Surrogate: Tetrachloro-m-xylene	*77.0 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 17:03*	

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Client Sample ID B12 / 35'

Lab ID: 1502626-18

Polychlorinated Biphenyls by EPA 8082

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 20:31	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 20:31	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 20:31	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 20:31	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 20:31	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 20:31	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 20:31	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 20:31	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 20:31	
Surrogate: Decachlorobiphenyl	*80.4 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 20:31*	
Surrogate: Tetrachloro-m-xylene	*72.7 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 20:31*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,1,1-Trichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,1,2-Trichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,1-Dichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,1-Dichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,1-Dichloropropene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,2,3-Trichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0687	07/31/2015	07/31/15 17:40	
1,2-Dibromoethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,2-Dichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,2-Dichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,2-Dichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,3-Dichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,3-Dichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
1,4-Dichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
2,2-Dichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B12 / 35'

Lab ID: 1502626-18

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
4-Chlorotoluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
4-Isopropyltoluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Benzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Bromobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Bromochloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Bromodichloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Bromoform	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Bromomethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Carbon disulfide	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Carbon tetrachloride	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Chlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Chloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Chloroform	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Chloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Di-isopropyl ether	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Dibromochloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Dibromomethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Dichlorodifluoromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Ethyl Acetate	ND	50	1	B5G0687	07/31/2015	07/31/15 17:40	
Ethyl Ether	ND	50	1	B5G0687	07/31/2015	07/31/15 17:40	
Ethyl tert-butyl ether	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Ethylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Freon-113	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Hexachlorobutadiene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Isopropylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
m,p-Xylene	ND	10	1	B5G0687	07/31/2015	07/31/15 17:40	
Methylene chloride	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
MTBE	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
n-Butylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
n-Propylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Naphthalene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
o-Xylene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
sec-Butylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Styrene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B12 / 35'

Lab ID: 1502626-18

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
tert-Butanol	ND	100	1	B5G0687	07/31/2015	07/31/15 17:40	
tert-Butylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Tetrachloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Toluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Trichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Trichlorofluoromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Vinyl acetate	ND	50	1	B5G0687	07/31/2015	07/31/15 17:40	
Vinyl chloride	ND	5.0	1	B5G0687	07/31/2015	07/31/15 17:40	
Surrogate: 1,2-Dichloroethane-d4	*83.0 %*	*20 - 189*		B5G0687	07/31/2015	*07/31/15 17:40*	
Surrogate: 4-Bromofluorobenzene	*94.9 %*	*20 - 173*		B5G0687	07/31/2015	*07/31/15 17:40*	
Surrogate: Dibromofluoromethane	*101 %*	*26 - 178*		B5G0687	07/31/2015	*07/31/15 17:40*	
Surrogate: Toluene-d8	*99.5 %*	*31 - 166*		B5G0687	07/31/2015	*07/31/15 17:40*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
1,2-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
1,3-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
1,4-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
2,4,5-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
2,4,6-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
2,4-Dichlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:16	
2,4-Dimethylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
2,4-Dinitrophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:16	
2,4-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
2,6-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
2-Chloronaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
2-Chlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
2-Methylnaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
2-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
2-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:16	
2-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B12 / 35'

Lab ID: 1502626-18

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0682	07/31/2015	07/31/15 17:16	
3-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:16	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:16	
4-Bromophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
4-Chloro-3-methylphenol	ND	660	1	B5G0682	07/31/2015	07/31/15 17:16	
4-Chloroaniline	ND	660	1	B5G0682	07/31/2015	07/31/15 17:16	
4-Chlorophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
4-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
4-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:16	
4-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Acenaphthene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Acenaphthylene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Benzidine (M)	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:16	
Benzo(a)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Benzo(a)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Benzo(b)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Benzo(g,h,i)perylene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Benzo(k)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Benzoic acid	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:16	
Benzyl alcohol	ND	660	1	B5G0682	07/31/2015	07/31/15 17:16	
bis(2-chloroethoxy)methane	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
bis(2-Chloroethyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Butylbenzylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Chrysene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Di-n-butylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Di-n-octylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Dibenz(a,h)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Dibenzofuran	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Diethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Dimethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Fluorene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Hexachlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Hexachlorobutadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 17:16	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B12 / 35'

Lab ID: 1502626-18

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 17:16	
Hexachloroethane	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Isophorone	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
N-Nitroso-di-n propylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
N-Nitrosodiphenylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Naphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Nitrobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Pentachlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:16	
Phenanthrene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Phenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:16	
Pyridine	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:16	
Surrogate: 1,2-Dichlorobenzene-d4	*66.5 %*	*24 - 114*		B5G0682	07/31/2015	*07/31/15 17:16*	
Surrogate: 2,4,6-Tribromophenol	*69.6 %*	*0 - 189*		B5G0682	07/31/2015	*07/31/15 17:16*	
Surrogate: 2-Chlorophenol-d4	*78.5 %*	*23 - 123*		B5G0682	07/31/2015	*07/31/15 17:16*	
Surrogate: 2-Fluorobiphenyl	*72.0 %*	*28 - 128*		B5G0682	07/31/2015	*07/31/15 17:16*	
Surrogate: 2-Fluorophenol	*78.7 %*	*8 - 138*		B5G0682	07/31/2015	*07/31/15 17:16*	
Surrogate: 4-Terphenyl-d14	*85.8 %*	*27 - 154*		B5G0682	07/31/2015	*07/31/15 17:16*	
Surrogate: Nitrobenzene-d5	*83.0 %*	*19 - 129*		B5G0682	07/31/2015	*07/31/15 17:16*	
Surrogate: Phenol-d5	*74.6 %*	*20 - 126*		B5G0682	07/31/2015	*07/31/15 17:16*	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B13 / 5'
Lab ID: 1502626-19

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0024	08/03/2015	08/04/15 10:56	
Arsenic	**3.9**	1.0	1	B5H0024	08/03/2015	08/04/15 10:56	
Barium	**250**	1.0	1	B5H0024	08/03/2015	08/04/15 10:56	
Beryllium	ND	2.0	2	B5H0024	08/03/2015	08/04/15 12:11	D5
Cadmium	ND	1.0	1	B5H0024	08/03/2015	08/04/15 10:56	
Chromium	**3.1**	1.0	1	B5H0024	08/03/2015	08/04/15 10:56	
Cobalt	**9.6**	1.0	1	B5H0024	08/03/2015	08/04/15 10:56	
Copper	**5.2**	2.0	1	B5H0024	08/03/2015	08/04/15 10:56	
Lead	**15**	1.0	1	B5H0024	08/03/2015	08/04/15 10:56	
Molybdenum	ND	1.0	1	B5H0024	08/03/2015	08/04/15 10:56	
Nickel	**2.8**	1.0	1	B5H0024	08/03/2015	08/04/15 10:56	
Selenium	ND	1.0	1	B5H0024	08/03/2015	08/04/15 10:56	
Silver	ND	1.0	1	B5H0024	08/03/2015	08/04/15 10:56	
Thallium	ND	1.0	1	B5H0024	08/03/2015	08/04/15 10:56	
Vanadium	**25**	1.0	1	B5H0024	08/03/2015	08/04/15 10:56	
Zinc	**10**	1.0	1	B5H0024	08/03/2015	08/04/15 10:56	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0013	08/03/2015	08/04/15 08:52	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0086	07/28/2015	08/04/15 22:15	
Surrogate: 4-Bromofluorobenzene	*80.5 %*	*37 - 153*		B5H0086	07/28/2015	*08/04/15 22:15*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5G0672	07/31/2015	08/01/15 07:40	
ORO	ND	10	1	B5G0672	07/31/2015	08/01/15 07:40	

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B13 / 5'

Lab ID: 1502626-19

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*115 %*	*49 - 142*		B5G0672	07/31/2015	*08/01/15 07:40*	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:14	
4,4´-DDE	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:14	
4,4´-DDT	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:14	
Aldrin	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:14	
alpha-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:14	
alpha-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:14	
beta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:14	
Chlordane	ND	8.5	1	B5H0033	08/03/2015	08/03/15 17:14	
delta-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:14	
Dieldrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:14	
Endosulfan I	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:14	
Endosulfan II	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:14	
Endosulfan sulfate	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:14	
Endrin	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:14	
Endrin aldehyde	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:14	
Endrin ketone	ND	2.0	1	B5H0033	08/03/2015	08/03/15 17:14	
gamma-BHC	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:14	
gamma-Chlordane	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:14	
Heptachlor	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:14	
Heptachlor epoxide	ND	1.0	1	B5H0033	08/03/2015	08/03/15 17:14	
Methoxychlor	ND	5.0	1	B5H0033	08/03/2015	08/03/15 17:14	
Toxaphene	ND	50	1	B5H0033	08/03/2015	08/03/15 17:14	
Surrogate: Decachlorobiphenyl	*85.1 %*	*16 - 137*		B5H0033	08/03/2015	*08/03/15 17:14*	
Surrogate: Tetrachloro-m-xylene	*78.8 %*	*16 - 105*		B5H0033	08/03/2015	*08/03/15 17:14*	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B13 / 5'

Lab ID: 1502626-19

Polychlorinated Biphenyls by EPA 8082 — **Analyst: CL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B5H0033	08/03/2015	08/03/15 20:50	
Aroclor 1221	ND	16	1	B5H0033	08/03/2015	08/03/15 20:50	
Aroclor 1232	ND	16	1	B5H0033	08/03/2015	08/03/15 20:50	
Aroclor 1242	ND	16	1	B5H0033	08/03/2015	08/03/15 20:50	
Aroclor 1248	ND	16	1	B5H0033	08/03/2015	08/03/15 20:50	
Aroclor 1254	ND	16	1	B5H0033	08/03/2015	08/03/15 20:50	
Aroclor 1260	ND	16	1	B5H0033	08/03/2015	08/03/15 20:50	
Aroclor 1262	ND	16	1	B5H0033	08/03/2015	08/03/15 20:50	
Aroclor 1268	ND	16	1	B5H0033	08/03/2015	08/03/15 20:50	
Surrogate: Decachlorobiphenyl	*81.6 %*	*8 - 143*		B5H0033	08/03/2015	*08/03/15 20:50*	
Surrogate: Tetrachloro-m-xylene	*74.9 %*	*27 - 124*		B5H0033	08/03/2015	*08/03/15 20:50*	

Volatile Organic Compounds by EPA 8260B — **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,1,1-Trichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,1,2-Trichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,1-Dichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,1-Dichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,1-Dichloropropene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,2,3-Trichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,2,3-Trichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,2,4-Trichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,2,4-Trimethylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,2-Dibromo-3-chloropropane	ND	10	1	B5G0687	07/31/2015	07/31/15 16:25	
1,2-Dibromoethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,2-Dichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,2-Dichloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,2-Dichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,3,5-Trimethylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,3-Dichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,3-Dichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
1,4-Dichlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
2,2-Dichloropropane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B13 / 5'

Lab ID: 1502626-19

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
4-Chlorotoluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
4-Isopropyltoluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Benzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Bromobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Bromochloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Bromodichloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Bromoform	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Bromomethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Carbon disulfide	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Carbon tetrachloride	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Chlorobenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Chloroethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Chloroform	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Chloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
cis-1,2-Dichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
cis-1,3-Dichloropropene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Di-isopropyl ether	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Dibromochloromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Dibromomethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Dichlorodifluoromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Ethyl Acetate	ND	50	1	B5G0687	07/31/2015	07/31/15 16:25	
Ethyl Ether	ND	50	1	B5G0687	07/31/2015	07/31/15 16:25	
Ethyl tert-butyl ether	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Ethylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Freon-113	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Hexachlorobutadiene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Isopropylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
m,p-Xylene	ND	10	1	B5G0687	07/31/2015	07/31/15 16:25	
Methylene chloride	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
MTBE	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
n-Butylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
n-Propylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Naphthalene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
o-Xylene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
sec-Butylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Styrene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Client Sample ID B13 / 5'

Lab ID: 1502626-19

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
tert-Butanol	ND	100	1	B5G0687	07/31/2015	07/31/15 16:25	
tert-Butylbenzene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Tetrachloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Toluene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
trans-1,2-Dichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
trans-1,3-Dichloropropene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Trichloroethene	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Trichlorofluoromethane	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Vinyl acetate	ND	50	1	B5G0687	07/31/2015	07/31/15 16:25	
Vinyl chloride	ND	5.0	1	B5G0687	07/31/2015	07/31/15 16:25	
Surrogate: 1,2-Dichloroethane-d4	*83.1 %*	*20 - 189*		B5G0687	07/31/2015	*07/31/15 16:25*	
Surrogate: 4-Bromofluorobenzene	*92.1 %*	*20 - 173*		B5G0687	07/31/2015	*07/31/15 16:25*	
Surrogate: Dibromofluoromethane	*104 %*	*26 - 178*		B5G0687	07/31/2015	*07/31/15 16:25*	
Surrogate: Toluene-d8	*100 %*	*31 - 166*		B5G0687	07/31/2015	*07/31/15 16:25*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
1,2-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
1,3-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
1,4-Dichlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
2,4,5-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
2,4,6-Trichlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
2,4-Dichlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:45	
2,4-Dimethylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
2,4-Dinitrophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:45	
2,4-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
2,6-Dinitrotoluene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
2-Chloronaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
2-Chlorophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
2-Methylnaphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
2-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
2-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:45	
2-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B13 / 5'

Lab ID: 1502626-19

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,3´-Dichlorobenzidine	ND	660	1	B5G0682	07/31/2015	07/31/15 17:45	
3-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:45	
4,6-Dinitro-2-methyphenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:45	
4-Bromophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
4-Chloro-3-methylphenol	ND	660	1	B5G0682	07/31/2015	07/31/15 17:45	
4-Chloroaniline	ND	660	1	B5G0682	07/31/2015	07/31/15 17:45	
4-Chlorophenyl-phenylether	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
4-Methylphenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
4-Nitroaniline	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:45	
4-Nitrophenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Acenaphthene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Acenaphthylene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Benzidine (M)	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:45	
Benzo(a)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Benzo(a)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Benzo(b)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Benzo(g,h,i)perylene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Benzo(k)fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Benzoic acid	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:45	
Benzyl alcohol	ND	660	1	B5G0682	07/31/2015	07/31/15 17:45	
bis(2-chloroethoxy)methane	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
bis(2-Chloroethyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
bis(2-chloroisopropyl)ether	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
bis(2-ethylhexyl)phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Butylbenzylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Chrysene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Di-n-butylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Di-n-octylphthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Dibenz(a,h)anthracene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Dibenzofuran	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Diethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Dimethyl phthalate	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Fluoranthene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Fluorene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Hexachlorobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Hexachlorobutadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 17:45	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Client Sample ID B13 / 5'

Lab ID: 1502626-19

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorocyclopentadiene	ND	660	1	B5G0682	07/31/2015	07/31/15 17:45	
Hexachloroethane	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Indeno(1,2,3-cd)pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Isophorone	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
N-Nitroso-di-n propylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
N-Nitrosodiphenylamine	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Naphthalene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Nitrobenzene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Pentachlorophenol	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:45	
Phenanthrene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Phenol	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Pyrene	ND	330	1	B5G0682	07/31/2015	07/31/15 17:45	
Pyridine	ND	1600	1	B5G0682	07/31/2015	07/31/15 17:45	
Surrogate: 1,2-Dichlorobenzene-d4	*68.0 %*	*24 - 114*		B5G0682	07/31/2015	*07/31/15 17:45*	
Surrogate: 2,4,6-Tribromophenol	*65.4 %*	*0 - 189*		B5G0682	07/31/2015	*07/31/15 17:45*	
Surrogate: 2-Chlorophenol-d4	*77.0 %*	*23 - 123*		B5G0682	07/31/2015	*07/31/15 17:45*	
Surrogate: 2-Fluorobiphenyl	*72.6 %*	*28 - 128*		B5G0682	07/31/2015	*07/31/15 17:45*	
Surrogate: 2-Fluorophenol	*77.4 %*	*8 - 138*		B5G0682	07/31/2015	*07/31/15 17:45*	
Surrogate: 4-Terphenyl-d14	*89.1 %*	*27 - 154*		B5G0682	07/31/2015	*07/31/15 17:45*	
Surrogate: Nitrobenzene-d5	*83.6 %*	*19 - 129*		B5G0682	07/31/2015	*07/31/15 17:45*	
Surrogate: Phenol-d5	*73.4 %*	*20 - 126*		B5G0682	07/31/2015	*07/31/15 17:45*	

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

QUALITY CONTROL SECTION

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0010 - EPA 3050B_S									
Blank (B5H0010-BLK1)				Prepared: 8/3/2015 Analyzed: 8/3/2015					
Antimony	ND	2.0			NR				
Arsenic	ND	1.0			NR				
Barium	ND	1.0			NR				
Beryllium	ND	1.0			NR				
Cadmium	ND	1.0			NR				
Chromium	ND	1.0			NR				
Cobalt	ND	1.0			NR				
Copper	ND	2.0			NR				
Lead	ND	1.0			NR				
Molybdenum	ND	1.0			NR				
Nickel	ND	1.0			NR				
Selenium	ND	1.0			NR				
Silver	ND	1.0			NR				
Thallium	ND	1.0			NR				
Vanadium	ND	1.0			NR				
Zinc	ND	1.0			NR				
LCS (B5H0010-BS1)				Prepared: 8/3/2015 Analyzed: 8/3/2015					
Antimony	46.0902	2.0	50.0000		92.2	80 - 120			
Arsenic	46.0098	1.0	50.0000		92.0	80 - 120			
Barium	50.0028	1.0	50.0000		100	80 - 120			
Beryllium	49.3526	1.0	50.0000		98.7	80 - 120			
Cadmium	47.4977	1.0	50.0000		95.0	80 - 120			
Chromium	50.4507	1.0	50.0000		101	80 - 120			
Cobalt	48.5132	1.0	50.0000		97.0	80 - 120			
Copper	47.8775	2.0	50.0000		95.8	80 - 120			
Lead	48.3113	1.0	50.0000		96.6	80 - 120			
Molybdenum	47.7558	1.0	50.0000		95.5	80 - 120			
Nickel	48.4136	1.0	50.0000		96.8	80 - 120			
Selenium	44.2256	1.0	50.0000		88.5	80 - 120			
Silver	48.0895	1.0	50.0000		96.2	80 - 120			
Thallium	46.3350	1.0	50.0000		92.7	80 - 120			
Vanadium	49.2619	1.0	50.0000		98.5	80 - 120			
Zinc	45.2327	1.0	50.0000		90.5	80 - 120			
Matrix Spike (B5H0010-MS1)		**Source: 1502602-01**		Prepared: 8/3/2015 Analyzed: 8/4/2015					
Antimony	63.5094	2.0	125.000	ND	50.8	28 - 106			
Arsenic	96.8986	1.0	125.000	6.48450	72.3	57 - 109			
Barium	221.439	1.0	125.000	135.545	68.7	18 - 159			
Beryllium	82.6054	1.0	125.000	0.539650	65.7	61 - 107			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0010 - EPA 3050B_S (continued)									
Matrix Spike (B5H0010-MS1) - Continued		**Source: 1502602-01**		Prepared: 8/3/2015 Analyzed: 8/4/2015					
Cadmium	86.3816	1.0	125.000	0.370243	68.8	53 - 104			
Chromium	100.729	1.0	125.000	13.4104	69.9	53 - 121			
Cobalt	96.5921	1.0	125.000	7.14139	71.6	55 - 109			
Copper	119.780	2.0	125.000	18.6701	80.9	58 - 124			
Lead	96.8114	1.0	125.000	7.68063	71.3	35 - 129			
Molybdenum	88.3290	1.0	125.000	ND	70.7	57 - 108			
Nickel	101.732	1.0	125.000	13.6782	70.4	44 - 122			
Selenium	84.1520	1.0	125.000	1.09987	66.4	54 - 104			
Silver	94.9554	1.0	125.000	ND	76.0	60 - 112			
Thallium	85.9616	1.0	125.000	ND	68.8	50 - 103			
Vanadium	131.018	1.0	125.000	32.5340	78.8	54 - 123			
Zinc	141.514	1.0	125.000	53.8906	70.1	29 - 132			
Matrix Spike Dup (B5H0010-MSD1)		**Source: 1502602-01**		Prepared: 8/3/2015 Analyzed: 8/4/2015					
Antimony	64.1104	2.0	125.000	ND	51.3	28 - 106	0.942	20	
Arsenic	100.799	1.0	125.000	6.48450	75.5	57 - 109	3.95	20	
Barium	224.122	1.0	125.000	135.545	70.9	18 - 159	1.20	20	
Beryllium	95.3862	1.0	125.000	0.539650	75.9	61 - 107	14.4	20	
Cadmium	86.7460	1.0	125.000	0.370243	69.1	53 - 104	0.421	20	
Chromium	100.567	1.0	125.000	13.4104	69.7	53 - 121	0.161	20	
Cobalt	96.3245	1.0	125.000	7.14139	71.3	55 - 109	0.277	20	
Copper	121.472	2.0	125.000	18.6701	82.2	58 - 124	1.40	20	
Lead	96.1386	1.0	125.000	7.68063	70.8	35 - 129	0.697	20	
Molybdenum	92.1044	1.0	125.000	ND	73.7	57 - 108	4.18	20	
Nickel	100.509	1.0	125.000	13.6782	69.5	44 - 122	1.21	20	
Selenium	87.7390	1.0	125.000	1.09987	69.3	54 - 104	4.17	20	
Silver	98.8072	1.0	125.000	ND	79.0	60 - 112	3.98	20	
Thallium	85.2366	1.0	125.000	ND	68.2	50 - 103	0.847	20	
Vanadium	133.014	1.0	125.000	32.5340	80.4	54 - 123	1.51	20	
Zinc	140.024	1.0	125.000	53.8906	68.9	29 - 132	1.06	20	
Batch B5H0024 - EPA 3050B_S									
Blank (B5H0024-BLK1)				Prepared: 8/3/2015 Analyzed: 8/4/2015					
Antimony	ND	2.0			NR				
Arsenic	ND	1.0			NR				
Barium	ND	1.0			NR				
Beryllium	ND	1.0			NR				
Cadmium	ND	1.0			NR				
Chromium	ND	1.0			NR				
Cobalt	ND	1.0			NR				

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0024 - EPA 3050B_S (continued)									
Blank (B5H0024-BLK1) - Continued					Prepared: 8/3/2015 Analyzed: 8/4/2015				
Copper	ND	2.0			NR				
Lead	ND	1.0			NR				
Molybdenum	ND	1.0			NR				
Nickel	ND	1.0			NR				
Selenium	ND	1.0			NR				
Silver	ND	1.0			NR				
Thallium	ND	1.0			NR				
Vanadium	ND	1.0			NR				
Zinc	ND	1.0			NR				
LCS (B5H0024-BS1)					Prepared: 8/3/2015 Analyzed: 8/4/2015				
Antimony	47.0759	2.0	50.0000		94.2	80 - 120			
Arsenic	46.8914	1.0	50.0000		93.8	80 - 120			
Barium	49.0919	1.0	50.0000		98.2	80 - 120			
Beryllium	49.3962	1.0	50.0000		98.8	80 - 120			
Cadmium	47.8528	1.0	50.0000		95.7	80 - 120			
Chromium	45.5444	1.0	50.0000		91.1	80 - 120			
Cobalt	48.7744	1.0	50.0000		97.5	80 - 120			
Copper	47.0755	2.0	50.0000		94.2	80 - 120			
Lead	47.6346	1.0	50.0000		95.3	80 - 120			
Molybdenum	48.7762	1.0	50.0000		97.6	80 - 120			
Nickel	48.0154	1.0	50.0000		96.0	80 - 120			
Selenium	44.0790	1.0	50.0000		88.2	80 - 120			
Silver	46.8970	1.0	50.0000		93.8	80 - 120			
Thallium	46.4984	1.0	50.0000		93.0	80 - 120			
Vanadium	48.2021	1.0	50.0000		96.4	80 - 120			
Zinc	45.2243	1.0	50.0000		90.4	80 - 120			
Matrix Spike (B5H0024-MS1)		**Source: 1502626-19**			Prepared: 8/3/2015 Analyzed: 8/4/2015				
Antimony	63.3204	2.0	125.000	ND	50.7	28 - 106			
Arsenic	82.6210	1.0	125.000	3.87915	63.0	57 - 109			
Barium	305.721	1.0	125.000	249.953	44.6	18 - 159			
Cadmium	76.0763	1.0	125.000	0.079737	60.8	53 - 104			
Chromium	76.7850	1.0	125.000	3.14201	58.9	53 - 121			
Cobalt	85.1128	1.0	125.000	9.55879	60.4	55 - 109			
Copper	89.3784	2.0	125.000	5.17810	67.4	58 - 124			
Lead	88.1328	1.0	125.000	15.4543	58.1	35 - 129			
Molybdenum	76.2905	1.0	125.000	0.574395	60.6	57 - 108			
Nickel	78.2651	1.0	125.000	2.82040	60.4	44 - 122			
Selenium	75.0344	1.0	125.000	ND	60.0	54 - 104			
Silver	83.5262	1.0	125.000	ND	66.8	60 - 112			
Thallium	72.5427	1.0	125.000	ND	58.0	50 - 103			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0024 - EPA 3050B_S (continued)									
Matrix Spike (B5H0024-MS1) - Continued		**Source: 1502626-19**		Prepared: 8/3/2015 Analyzed: 8/4/2015					
Vanadium	106.825	1.0	125.000	25.3110	65.2	54 - 123			
Zinc	90.5171	1.0	125.000	10.2655	64.2	29 - 132			
Matrix Spike (B5H0024-MS2)		**Source: 1502626-19RE1**		Prepared: 8/3/2015 Analyzed: 8/4/2015					
Beryllium	94.9620	2.0	125.000	0.394082	75.7	61 - 107			D5
Matrix Spike Dup (B5H0024-MSD1)		**Source: 1502626-19**		Prepared: 8/3/2015 Analyzed: 8/4/2015					
Antimony	71.3906	2.0	125.000	ND	57.1	28 - 106	12.0	20	
Arsenic	91.0760	1.0	125.000	3.87915	69.8	57 - 109	9.74	20	
Barium	207.106	1.0	125.000	249.953	-34.3	18 - 159	38.5	20	R, M1
Cadmium	84.2576	1.0	125.000	0.079737	67.3	53 - 104	10.2	20	
Chromium	84.6734	1.0	125.000	3.14201	65.2	53 - 121	9.77	20	
Cobalt	90.4018	1.0	125.000	9.55879	64.7	55 - 109	6.03	20	
Copper	97.5910	2.0	125.000	5.17810	73.9	58 - 124	8.79	20	
Lead	90.4685	1.0	125.000	15.4543	60.0	35 - 129	2.62	20	
Molybdenum	84.2238	1.0	125.000	0.574395	66.9	57 - 108	9.88	20	
Nickel	86.2794	1.0	125.000	2.82040	66.8	44 - 122	9.74	20	
Selenium	82.5396	1.0	125.000	ND	66.0	54 - 104	9.53	20	
Silver	91.4428	1.0	125.000	ND	73.2	60 - 112	9.05	20	
Thallium	81.7440	1.0	125.000	ND	65.4	50 - 103	11.9	20	
Vanadium	105.505	1.0	125.000	25.3110	64.2	54 - 123	1.24	20	
Zinc	100.243	1.0	125.000	10.2655	72.0	29 - 132	10.2	20	
Matrix Spike Dup (B5H0024-MSD2)		**Source: 1502626-19RE1**		Prepared: 8/3/2015 Analyzed: 8/4/2015					
Beryllium	99.1406	2.0	125.000	0.394082	79.0	61 - 107	4.31	20	D5

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0012 - EPA 7471_S									
Blank (B5H0012-BLK1)				Prepared: 8/3/2015 Analyzed: 8/4/2015					
Mercury	ND	0.10			NR				
LCS (B5H0012-BS1)				Prepared: 8/3/2015 Analyzed: 8/4/2015					
Mercury	0.782875	0.10	0.833333		93.9	80 - 120			
Matrix Spike (B5H0012-MS1)		**Source: 1502602-01**		Prepared: 8/3/2015 Analyzed: 8/4/2015					
Mercury	0.858667	0.10	0.833333	0.047153	97.4	70 - 130			
Matrix Spike Dup (B5H0012-MSD1)		**Source: 1502602-01**		Prepared: 8/3/2015 Analyzed: 8/4/2015					
Mercury	0.830971	0.10	0.819672	0.047153	95.6	70 - 130	3.28	20	
Post Spike (B5H0012-PS1)		**Source: 1502602-01**		Prepared: 8/3/2015 Analyzed: 8/4/2015					
Mercury	0.005705		5.00000E-3	0.000566	103	85 - 115			
Batch B5H0013 - EPA 7471_S									
Blank (B5H0013-BLK1)				Prepared: 8/3/2015 Analyzed: 8/4/2015					
Mercury	ND	0.10			NR				
LCS (B5H0013-BS1)				Prepared: 8/3/2015 Analyzed: 8/4/2015					
Mercury	0.806975	0.10	0.833333		96.8	80 - 120			
Matrix Spike (B5H0013-MS1)		**Source: 1502626-19**		Prepared: 8/3/2015 Analyzed: 8/4/2015					
Mercury	0.729234	0.10	0.833333	ND	87.5	70 - 130			
Matrix Spike Dup (B5H0013-MSD1)		**Source: 1502626-19**		Prepared: 8/3/2015 Analyzed: 8/4/2015					
Mercury	0.691762	0.10	0.833333	ND	83.0	70 - 130	5.27	20	
Post Spike (B5H0013-PS1)		**Source: 1502626-19**		Prepared: 8/3/2015 Analyzed: 8/4/2015					
Mercury	0.004811		5.00000E-3	0.000042	95.4	85 - 115			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0023 - GCVOA_S									
Blank (B5H0023-BLK1)				Prepared: 8/3/2015 Analyzed: 8/3/2015					
Gasoline Range Organics	ND	1.0			NR				
Surrogate: 4-Bromofluorobenzene	*0.1887*		*0.200000*		*94.4*	*37 - 153*			
LCS (B5H0023-BS1)				Prepared: 8/3/2015 Analyzed: 8/3/2015					
Gasoline Range Organics	5.31100	1.0	5.00000		106	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.2085*		*0.200000*		*104*	*37 - 153*			
Matrix Spike (B5H0023-MS1)		**Source: 1502626-01**		Prepared: 8/3/2015 Analyzed: 8/3/2015					
Gasoline Range Organics	5.59700	1.0	5.00000	ND	112	20 - 130			
Surrogate: 4-Bromofluorobenzene	*0.1893*		*0.200000*		*94.6*	*37 - 153*			
Matrix Spike Dup (B5H0023-MSD1)		**Source: 1502626-01**		Prepared: 8/3/2015 Analyzed: 8/3/2015					
Gasoline Range Organics	5.78000	1.0	5.00000	ND	116	20 - 130	3.22	20	
Surrogate: 4-Bromofluorobenzene	*0.1787*		*0.200000*		*89.4*	*37 - 153*			
Batch B5H0086 - GCVOA_S									
Blank (B5H0086-BLK1)				Prepared: 8/4/2015 Analyzed: 8/4/2015					
Gasoline Range Organics	ND	1.0			NR				
Surrogate: 4-Bromofluorobenzene	*0.1771*		*0.200000*		*88.5*	*37 - 153*			
LCS (B5H0086-BS1)				Prepared: 8/4/2015 Analyzed: 8/4/2015					
Gasoline Range Organics	3.73100	1.0	5.00000		74.6	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.1785*		*0.200000*		*89.3*	*37 - 153*			

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0086 - GCVOA_S (continued)									
Matrix Spike (B5H0086-MS1)		**Source: 1502663-01**		Prepared: 8/4/2015 Analyzed: 8/4/2015					
Gasoline Range Organics	3.02500	1.0	5.00000	ND	60.5	20 - 130			
Surrogate: 4-Bromofluorobenzene	*0.1826*		*0.200000*		*91.3*	*37 - 153*			

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0086 - GCVOA_S (continued)									
Matrix Spike Dup (B5H0086-MSD1)		**Source: 1502663-01**		Prepared: 8/4/2015 Analyzed: 8/4/2015					
Gasoline Range Organics	3.05000	1.0	5.00000	ND	61.0	20 - 130	0.823	20	
Surrogate: 4-Bromofluorobenzene	*0.1794*		*0.200000*		*89.7*	*37 - 153*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Diesel Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0672 - GCSEMI_DRO_S									
Blank (B5G0672-BLK1)				Prepared: 7/31/2015 Analyzed: 8/1/2015					
DRO	ND	10			NR				
ORO	ND	10			NR				
Surrogate: p-Terphenyl	*107.4*		*80.0000*		*134*	*49 - 142*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Diesel Range Organics by EPA 8015B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0672 - GCSEMI_DRO_S (continued)									
LCS (B5G0672-BS1)				Prepared: 7/31/2015 Analyzed: 8/1/2015					
DRO	788.830	10	1000.00		78.9	48 - 155			
Surrogate: p-Terphenyl	*83.92*		*80.0000*		*105*	*49 - 142*			

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Diesel Range Organics by EPA 8015B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0672 - GCSEMI_DRO_S (continued)									
Matrix Spike (B5G0672-MS1)		**Source: 1502626-18**		Prepared: 7/31/2015 Analyzed: 8/1/2015					
DRO	927.150	10	1000.00	ND	92.7	30 - 173			
Surrogate: p-Terphenyl	*101.8*		*80.0000*		*127*	*49 - 142*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Diesel Range Organics by EPA 8015B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0672 - GCSEMI_DRO_S (continued)									
Matrix Spike Dup (B5G0672-MSD1)		**Source: 1502626-18**		Prepared: 7/31/2015 Analyzed: 8/1/2015					
DRO	790.970	10	1000.00	ND	79.1	30 - 173	15.9	20	
Surrogate: p-Terphenyl	*81.34*		*80.0000*		*102*	*49 - 142*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0033 - GCSEMI_PCB/PEST_S									
Blank (B5H0033-BLK1)				Prepared: 8/3/2015 Analyzed: 8/3/2015					
4,4´-DDD	ND	2.0			NR				
4,4´-DDD [2C]	ND	2.0			NR				
4,4´-DDE	ND	2.0			NR				
4,4´-DDE [2C]	ND	2.0			NR				
4,4´-DDT	ND	2.0			NR				
4,4´-DDT [2C]	ND	2.0			NR				
Aldrin	ND	1.0			NR				
Aldrin [2C]	ND	1.0			NR				
alpha-BHC	ND	1.0			NR				
alpha-BHC [2C]	ND	1.0			NR				
alpha-Chlordane	ND	1.0			NR				
alpha-Chlordane [2C]	ND	1.0			NR				
beta-BHC	ND	1.0			NR				
beta-BHC [2C]	ND	1.0			NR				
Chlordane	ND	8.5			NR				
Chlordane [2C]	ND	8.5			NR				
delta-BHC	ND	1.0			NR				
delta-BHC [2C]	ND	1.0			NR				
Dieldrin	ND	2.0			NR				
Dieldrin [2C]	ND	2.0			NR				
Endosulfan I	ND	1.0			NR				
Endosulfan I [2C]	ND	1.0			NR				
Endosulfan II	ND	2.0			NR				
Endosulfan II [2C]	ND	2.0			NR				
Endosulfan sulfate	ND	2.0			NR				
Endosulfan Sulfate [2C]	ND	2.0			NR				
Endrin	ND	2.0			NR				
Endrin [2C]	ND	2.0			NR				
Endrin aldehyde	ND	2.0			NR				
Endrin aldehyde [2C]	ND	2.0			NR				
Endrin ketone	ND	2.0			NR				
Endrin ketone [2C]	ND	2.0			NR				
gamma-BHC	ND	1.0			NR				
gamma-BHC [2C]	ND	1.0			NR				
gamma-Chlordane	ND	1.0			NR				
gamma-Chlordane [2C]	ND	1.0			NR				
Heptachlor	ND	1.0			NR				
Heptachlor [2C]	ND	1.0			NR				
Heptachlor epoxide	ND	1.0			NR				
Heptachlor epoxide [2C]	ND	1.0			NR				
Methoxychlor	ND	5.0			NR				

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0033 - GCSEMI_PCB/PEST_S (continued)									
Blank (B5H0033-BLK1) - Continued				Prepared: 8/3/2015 Analyzed: 8/3/2015					
Methoxychlor [2C]	ND	5.0			NR				
Toxaphene	ND	50			NR				
Toxaphene [2C]	ND	50			NR				
Surrogate: Decachlorobiphenyl	*9.624*		*16.6667*		*57.7*	*16 - 137*			
Surrogate: Decachlorobiphenyl [2C]	*10.44*		*16.6667*		*62.6*	*16 - 137*			
Surrogate: Tetrachloro-m-xylene	*11.31*		*16.6667*		*67.9*	*16 - 105*			
Surrogate: Tetrachloro-m-xylene [2C]	*12.67*		*16.6667*		*76.0*	*16 - 105*			

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0033 - GCSEMI_PCB/PEST_S (continued)									
LCS (B5H0033-BS1)				Prepared: 8/3/2015 Analyzed: 8/3/2015					
4,4´-DDD	13.3170	2.0	16.6667		79.9	58 - 100			
4,4´-DDD [2C]	14.0287	2.0	16.6667		84.2	58 - 100			
4,4´-DDE	14.4473	2.0	16.6667		86.7	65 - 99			
4,4´-DDE [2C]	15.5518	2.0	16.6667		93.3	65 - 99			
4,4´-DDT	10.4427	2.0	16.6667		62.7	39 - 116			
4,4´-DDT [2C]	6.48367	2.0	16.6667		38.9	39 - 116			L4
Aldrin	13.7458	1.0	16.6667		82.5	57 - 94			
Aldrin [2C]	15.1050	1.0	16.6667		90.6	57 - 94			
alpha-BHC	13.3167	1.0	16.6667		79.9	58 - 84			
alpha-BHC [2C]	14.5898	1.0	16.6667		87.5	58 - 84			L3
alpha-Chlordane	13.7490	1.0	16.6667		82.5	58 - 96			
alpha-Chlordane [2C]	15.1993	1.0	16.6667		91.2	58 - 96			
beta-BHC	12.8938	1.0	16.6667		77.4	58 - 87			
beta-BHC [2C]	13.4893	1.0	16.6667		80.9	58 - 87			
delta-BHC	13.5585	1.0	16.6667		81.4	18 - 75			L3
delta-BHC [2C]	14.9480	1.0	16.6667		89.7	18 - 75			L3
Dieldrin	13.5437	2.0	16.6667		81.3	62 - 94			
Dieldrin [2C]	14.6125	2.0	16.6667		87.7	62 - 94			
Endosulfan I	12.9307	1.0	16.6667		77.6	58 - 90			
Endosulfan I [2C]	14.3745	1.0	16.6667		86.2	58 - 90			
Endosulfan II	12.9125	2.0	16.6667		77.5	63 - 95			
Endosulfan II [2C]	13.8910	2.0	16.6667		83.3	63 - 95			
Endosulfan sulfate	11.0850	2.0	16.6667		66.5	59 - 89			
Endosulfan Sulfate [2C]	12.0705	2.0	16.6667		72.4	59 - 89			
Endrin	13.3387	2.0	16.6667		80.0	64 - 96			
Endrin [2C]	14.3550	2.0	16.6667		86.1	64 - 96			
Endrin aldehyde	13.3465	2.0	16.6667		80.1	65 - 95			
Endrin aldehyde [2C]	14.9347	2.0	16.6667		89.6	65 - 95			
Endrin ketone	12.1378	2.0	16.6667		72.8	59 - 101			
Endrin ketone [2C]	11.4008	2.0	16.6667		68.4	59 - 101			
gamma-BHC	13.6172	1.0	16.6667		81.7	63 - 89			
gamma-BHC [2C]	14.2382	1.0	16.6667		85.4	63 - 89			
gamma-Chlordane	13.7828	1.0	16.6667		82.7	61 - 95			
gamma-Chlordane [2C]	15.0255	1.0	16.6667		90.2	61 - 95			
Heptachlor	13.4995	1.0	16.6667		81.0	65 - 102			
Heptachlor [2C]	13.1018	1.0	16.6667		78.6	65 - 102			
Heptachlor epoxide	13.7970	1.0	16.6667		82.8	61 - 95			
Heptachlor epoxide [2C]	14.9785	1.0	16.6667		89.9	61 - 95			
Methoxychlor	9.07517	5.0	16.6667		54.5	29 - 128			
Methoxychlor [2C]	5.43833	5.0	16.6667		32.6	29 - 128			
Surrogate: Decachlorobiphenyl	*13.68*		*16.6667*		*82.1*	*16 - 137*			

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0033 - GCSEMI_PCB/PEST_S (continued)									
LCS (B5H0033-BS1) - Continued					Prepared: 8/3/2015 Analyzed: 8/3/2015				
Surrogate: Decachlorobiphenyl [2C]	*14.27*		*16.6667*		*85.6*	*16 - 137*			
Surrogate: Tetrachloro-m-xylene	*13.30*		*16.6667*		*79.8*	*16 - 105*			
Surrogate: Tetrachloro-m-xylene [2C]	*14.56*		*16.6667*		*87.4*	*16 - 105*			

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0033 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike (B5H0033-MS1)		**Source: 1502626-07**		Prepared: 8/3/2015 Analyzed: 8/3/2015					
4,4´-DDD	12.9803	2.0	16.6667	ND	77.9	27 - 123			
4,4´-DDD [2C]	14.1702	2.0	16.6667	ND	85.0	27 - 123			
4,4´-DDE	13.8962	2.0	16.6667	ND	83.4	28 - 126			
4,4´-DDE [2C]	15.1410	2.0	16.6667	ND	90.8	28 - 126			
4,4´-DDT	11.3933	2.0	16.6667	ND	68.4	12 - 149			
4,4´-DDT [2C]	8.15450	2.0	16.6667	ND	48.9	12 - 149			
Aldrin	12.7938	1.0	16.6667	ND	76.8	29 - 116			
Aldrin [2C]	14.1897	1.0	16.6667	ND	85.1	29 - 116			
alpha-BHC	11.0453	1.0	16.6667	ND	66.3	27 - 104			
alpha-BHC [2C]	13.5563	1.0	16.6667	ND	81.3	27 - 104			
alpha-Chlordane	13.0602	1.0	16.6667	ND	78.4	14 - 130			
alpha-Chlordane [2C]	14.4492	1.0	16.6667	ND	86.7	14 - 130			
beta-BHC	11.8140	1.0	16.6667	ND	70.9	20 - 115			
beta-BHC [2C]	12.7178	1.0	16.6667	ND	76.3	20 - 115			
delta-BHC	12.2290	1.0	16.6667	ND	73.4	8 - 78			
delta-BHC [2C]	13.7613	1.0	16.6667	ND	82.6	8 - 78			M7
Dieldrin	12.8688	2.0	16.6667	ND	77.2	20 - 134			
Dieldrin [2C]	13.7852	2.0	16.6667	ND	82.7	20 - 134			
Endosulfan I	12.2543	1.0	16.6667	ND	73.5	27 - 114			
Endosulfan I [2C]	13.5217	1.0	16.6667	ND	81.1	27 - 114			
Endosulfan II	11.7825	2.0	16.6667	ND	70.7	16 - 125			
Endosulfan II [2C]	12.7065	2.0	16.6667	ND	76.2	16 - 125			
Endosulfan sulfate	9.02850	2.0	16.6667	ND	54.2	1 - 126			
Endosulfan Sulfate [2C]	10.1418	2.0	16.6667	ND	60.9	1 - 126			
Endrin	13.0787	2.0	16.6667	ND	78.5	33 - 122			
Endrin [2C]	14.0433	2.0	16.6667	ND	84.3	33 - 122			
Endrin aldehyde	8.81017	2.0	16.6667	ND	52.9	0 - 137			
Endrin aldehyde [2C]	9.16000	2.0	16.6667	ND	55.0	0 - 137			
Endrin ketone	10.6973	2.0	16.6667	ND	64.2	10 - 126			
Endrin ketone [2C]	10.2605	2.0	16.6667	ND	61.6	10 - 126			
gamma-BHC	12.2818	1.0	16.6667	ND	73.7	30 - 111			
gamma-BHC [2C]	13.2283	1.0	16.6667	ND	79.4	30 - 111			
gamma-Chlordane	12.9552	1.0	16.6667	ND	77.7	16 - 130			
gamma-Chlordane [2C]	14.2062	1.0	16.6667	ND	85.2	16 - 130			
Heptachlor	12.7227	1.0	16.6667	ND	76.3	34 - 127			
Heptachlor [2C]	12.6002	1.0	16.6667	ND	75.6	34 - 127			
Heptachlor epoxide	12.9323	1.0	16.6667	ND	77.6	19 - 130			
Heptachlor epoxide [2C]	13.8432	1.0	16.6667	ND	83.1	19 - 130			
Methoxychlor	9.56350	5.0	16.6667	ND	57.4	16 - 153			
Methoxychlor [2C]	6.49367	5.0	16.6667	ND	39.0	16 - 153			
Surrogate: Decachlorobiphenyl	*13.26*		*16.6667*		*79.5*	*16 - 137*			

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0033 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike (B5H0033-MS1) - Continued			**Source: 1502626-07**		Prepared: 8/3/2015 Analyzed: 8/3/2015				
Surrogate: Decachlorobiphenyl [2C]	*12.44*		*16.6667*		*74.6*	*16 - 137*			
Surrogate: Tetrachloro-m-xylene	*11.14*		*16.6667*		*66.8*	*16 - 105*			
Surrogate: Tetrachloro-m-xylene [2C]	*12.98*		*16.6667*		*77.9*	*16 - 105*			

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0033 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike Dup (B5H0033-MSD1)		**Source: 1502626-07**		Prepared: 8/3/2015 Analyzed: 8/3/2015					
4,4´-DDD	12.3863	2.0	16.6667	ND	74.3	27 - 123	4.68	20	
4,4´-DDD [2C]	13.4558	2.0	16.6667	ND	80.7	27 - 123	5.17	20	
4,4´-DDE	13.3588	2.0	16.6667	ND	80.2	28 - 126	3.94	20	
4,4´-DDE [2C]	14.4655	2.0	16.6667	ND	86.8	28 - 126	4.56	20	
4,4´-DDT	10.7163	2.0	16.6667	ND	64.3	12 - 149	6.12	20	
4,4´-DDT [2C]	7.48967	2.0	16.6667	ND	44.9	12 - 149	8.50	20	
Aldrin	12.3315	1.0	16.6667	ND	74.0	29 - 116	3.68	20	
Aldrin [2C]	13.7278	1.0	16.6667	ND	82.4	29 - 116	3.31	20	
alpha-BHC	10.8695	1.0	16.6667	ND	65.2	27 - 104	1.60	20	
alpha-BHC [2C]	13.0502	1.0	16.6667	ND	78.3	27 - 104	3.80	20	
alpha-Chlordane	12.5295	1.0	16.6667	ND	75.2	14 - 130	4.15	20	
alpha-Chlordane [2C]	13.8463	1.0	16.6667	ND	83.1	14 - 130	4.26	20	
beta-BHC	11.3465	1.0	16.6667	ND	68.1	20 - 115	4.04	20	
beta-BHC [2C]	12.2007	1.0	16.6667	ND	73.2	20 - 115	4.15	20	
delta-BHC	11.5463	1.0	16.6667	ND	69.3	8 - 78	5.74	20	
delta-BHC [2C]	12.9665	1.0	16.6667	ND	77.8	8 - 78	5.95	20	
Dieldrin	12.1963	2.0	16.6667	ND	73.2	20 - 134	5.37	20	
Dieldrin [2C]	13.1572	2.0	16.6667	ND	78.9	20 - 134	4.66	20	
Endosulfan I	11.7642	1.0	16.6667	ND	70.6	27 - 114	4.08	20	
Endosulfan I [2C]	12.8853	1.0	16.6667	ND	77.3	27 - 114	4.82	20	
Endosulfan II	10.9740	2.0	16.6667	ND	65.8	16 - 125	7.11	20	
Endosulfan II [2C]	11.6973	2.0	16.6667	ND	70.2	16 - 125	8.27	20	
Endosulfan sulfate	7.37067	2.0	16.6667	ND	44.2	1 - 126	20.2	20	R3
Endosulfan Sulfate [2C]	8.15767	2.0	16.6667	ND	48.9	1 - 126	21.7	20	R3
Endrin	12.4908	2.0	16.6667	ND	74.9	33 - 122	4.60	20	
Endrin [2C]	13.3845	2.0	16.6667	ND	80.3	33 - 122	4.80	20	
Endrin aldehyde	6.69333	2.0	16.6667	ND	40.2	0 - 137	27.3	20	R3
Endrin aldehyde [2C]	6.80017	2.0	16.6667	ND	40.8	0 - 137	29.6	20	R3
Endrin ketone	9.31300	2.0	16.6667	ND	55.9	10 - 126	13.8	20	
Endrin ketone [2C]	8.81017	2.0	16.6667	ND	52.9	10 - 126	15.2	20	
gamma-BHC	11.8150	1.0	16.6667	ND	70.9	30 - 111	3.87	20	
gamma-BHC [2C]	12.6462	1.0	16.6667	ND	75.9	30 - 111	4.50	20	
gamma-Chlordane	12.4087	1.0	16.6667	ND	74.5	16 - 130	4.31	20	
gamma-Chlordane [2C]	13.6420	1.0	16.6667	ND	81.9	16 - 130	4.05	20	
Heptachlor	12.2895	1.0	16.6667	ND	73.7	34 - 127	3.46	20	
Heptachlor [2C]	12.1383	1.0	16.6667	ND	72.8	34 - 127	3.73	20	
Heptachlor epoxide	12.4023	1.0	16.6667	ND	74.4	19 - 130	4.18	20	
Heptachlor epoxide [2C]	13.2957	1.0	16.6667	ND	79.8	19 - 130	4.03	20	
Methoxychlor	8.81817	5.0	16.6667	ND	52.9	16 - 153	8.11	20	
Methoxychlor [2C]	5.94567	5.0	16.6667	ND	35.7	16 - 153	8.81	20	
Surrogate: Decachlorobiphenyl	*12.81*		*16.6667*		*76.9*	*16 - 137*			

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0033 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike Dup (B5H0033-MSD1) - Continued			**Source: 1502626-07**		Prepared: 8/3/2015 Analyzed: 8/3/2015				
Surrogate: Decachlorobiphenyl [2C]	*12.68*		*16.6667*		*76.1*	*16 - 137*			
Surrogate: Tetrachloro-m-xylene	*10.90*		*16.6667*		*65.4*	*16 - 105*			
Surrogate: Tetrachloro-m-xylene [2C]	*12.63*		*16.6667*		*75.8*	*16 - 105*			

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0033 - GCSEMI_PCB/PEST_S									
Blank (B5H0033-BLK2)				Prepared: 8/3/2015 Analyzed: 8/3/2015					
Aroclor 1016	ND	16			NR				
Aroclor 1221	ND	16			NR				
Aroclor 1232	ND	16			NR				
Aroclor 1242	ND	16			NR				
Aroclor 1248	ND	16			NR				
Aroclor 1254	ND	16			NR				
Aroclor 1260	ND	16			NR				
Aroclor 1262	ND	16			NR				
Aroclor 1268	ND	16			NR				
Surrogate: Decachlorobiphenyl	*12.00*		*16.6667*		*72.0*	*8 - 143*			
Surrogate: Tetrachloro-m-xylene	*10.94*		*16.6667*		*65.6*	*27 - 124*			

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0033 - GCSEMI_PCB/PEST_S (continued)									
LCS (B5H0033-BS2)				Prepared: 8/3/2015 Analyzed: 8/3/2015					
Aroclor 1016	126.228	16	166.667		75.7	67 - 87			
Aroclor 1260	128.845	16	166.667		77.3	71 - 112			
Surrogate: Decachlorobiphenyl	*12.03*		*16.6667*		*72.2*	*8 - 143*			
Surrogate: Tetrachloro-m-xylene	*10.70*		*16.6667*		*64.2*	*27 - 124*			

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0033 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike (B5H0033-MS2)		**Source: 1502626-07**		Prepared: 8/3/2015 Analyzed: 8/3/2015					
Aroclor 1016	159.536	16	166.667	ND	95.7	26 - 129			
Aroclor 1260	161.944	16	166.667	ND	97.2	34 - 147			
Surrogate: Decachlorobiphenyl	*15.11*		*16.6667*		*90.7*	*8 - 143*			
Surrogate: Tetrachloro-m-xylene	*13.33*		*16.6667*		*80.0*	*27 - 124*			

Certificate of Analysis

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6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0033 - GCSEMI_PCB/PEST_S (continued)									
Matrix Spike Dup (B5H0033-MSD2)		**Source: 1502626-07**		Prepared: 8/3/2015 Analyzed: 8/3/2015					
Aroclor 1016	161.043	16	166.667	ND	96.6	26 - 129	0.940	20	
Aroclor 1260	165.924	16	166.667	ND	99.6	34 - 147	2.43	20	
Surrogate: Decachlorobiphenyl	*15.22*		*16.6667*		*91.3*	*8 - 143*			
Surrogate: Tetrachloro-m-xylene	*13.46*		*16.6667*		*80.8*	*27 - 124*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0659 - MSVOA_S									
Blank (B5G0659-BLK1)				Prepared: 7/30/2015 Analyzed: 7/30/2015					
1,1,1,2-Tetrachloroethane	ND	5.0			NR				
1,1,1-Trichloroethane	ND	5.0			NR				
1,1,2,2-Tetrachloroethane	ND	5.0			NR				
1,1,2-Trichloroethane	ND	5.0			NR				
1,1-Dichloroethane	ND	5.0			NR				
1,1-Dichloroethene	ND	5.0			NR				
1,1-Dichloropropene	ND	5.0			NR				
1,2,3-Trichloropropane	ND	5.0			NR				
1,2,3-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trimethylbenzene	ND	5.0			NR				
1,2-Dibromo-3-chloropropane	ND	10			NR				
1,2-Dibromoethane	ND	5.0			NR				
1,2-Dichlorobenzene	ND	5.0			NR				
1,2-Dichloroethane	ND	5.0			NR				
1,2-Dichloropropane	ND	5.0			NR				
1,3,5-Trimethylbenzene	ND	5.0			NR				
1,3-Dichlorobenzene	ND	5.0			NR				
1,3-Dichloropropane	ND	5.0			NR				
1,4-Dichlorobenzene	ND	5.0			NR				
2,2-Dichloropropane	ND	5.0			NR				
2-Chlorotoluene	ND	5.0			NR				
4-Chlorotoluene	ND	5.0			NR				
4-Isopropyltoluene	ND	5.0			NR				
Benzene	ND	5.0			NR				
Bromobenzene	ND	5.0			NR				
Bromochloromethane	ND	5.0			NR				
Bromodichloromethane	ND	5.0			NR				
Bromoform	ND	5.0			NR				
Bromomethane	ND	5.0			NR				
Carbon disulfide	ND	5.0			NR				
Carbon tetrachloride	ND	5.0			NR				
Chlorobenzene	ND	5.0			NR				
Chloroethane	ND	5.0			NR				
Chloroform	ND	5.0			NR				
Chloromethane	ND	5.0			NR				
cis-1,2-Dichloroethene	ND	5.0			NR				
cis-1,3-Dichloropropene	ND	5.0			NR				
Di-isopropyl ether	ND	5.0			NR				
Dibromochloromethane	ND	5.0			NR				
Dibromomethane	ND	5.0			NR				

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0659 - MSVOA_S (continued)									
Blank (B5G0659-BLK1) - Continued				Prepared: 7/30/2015 Analyzed: 7/30/2015					
Dichlorodifluoromethane	ND	5.0			NR				
Ethyl Acetate	ND	50			NR				
Ethyl Ether	ND	50			NR				
Ethyl tert-butyl ether	ND	5.0			NR				
Ethylbenzene	ND	5.0			NR				
Freon-113	ND	5.0			NR				
Hexachlorobutadiene	ND	5.0			NR				
Isopropylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
Methylene chloride	ND	5.0			NR				
MTBE	ND	5.0			NR				
n-Butylbenzene	ND	5.0			NR				
n-Propylbenzene	ND	5.0			NR				
Naphthalene	ND	5.0			NR				
o-Xylene	ND	5.0			NR				
sec-Butylbenzene	ND	5.0			NR				
Styrene	ND	5.0			NR				
tert-Amyl methyl ether	ND	5.0			NR				
tert-Butanol	ND	100			NR				
tert-Butylbenzene	ND	5.0			NR				
Tetrachloroethene	ND	5.0			NR				
Toluene	ND	5.0			NR				
trans-1,2-Dichloroethene	ND	5.0			NR				
trans-1,3-Dichloropropene	ND	5.0			NR				
Trichloroethene	ND	5.0			NR				
Trichlorofluoromethane	ND	5.0			NR				
Vinyl acetate	ND	50			NR				
Vinyl chloride	ND	5.0			NR				
Surrogate: 1,2-Dichloroethane-d4	*42.11*		*50.0000*		*84.2*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*45.59*		*50.0000*		*91.2*	*20 - 173*			
Surrogate: Dibromofluoromethane	*51.93*		*50.0000*		*104*	*26 - 178*			
Surrogate: Toluene-d8	*51.01*		*50.0000*		*102*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0659 - MSVOA_S (continued)									
LCS (B5G0659-BS1)				Prepared: 7/30/2015 Analyzed: 7/30/2015					
1,1,1,2-Tetrachloroethane	53.7400	5.0	50.0000		107	74 - 117			
1,1,1-Trichloroethane	46.3400	5.0	50.0000		92.7	65 - 130			
1,1,2,2-Tetrachloroethane	49.2400	5.0	50.0000		98.5	63 - 123			
1,1,2-Trichloroethane	47.5600	5.0	50.0000		95.1	66 - 122			
1,1-Dichloroethane	44.9800	5.0	50.0000		90.0	65 - 124			
1,1-Dichloroethene	46.7600	5.0	50.0000		93.5	60 - 130			
1,1-Dichloropropene	51.4800	5.0	50.0000		103	75 - 121			
1,2,3-Trichloropropane	47.8900	5.0	50.0000		95.8	62 - 126			
1,2,3-Trichlorobenzene	46.8700	5.0	50.0000		93.7	72 - 120			
1,2,4-Trichlorobenzene	48.7600	5.0	50.0000		97.5	75 - 121			
1,2,4-Trimethylbenzene	50.5200	5.0	50.0000		101	82 - 118			
1,2-Dibromo-3-chloropropane	46.0700	10	50.0000		92.1	67 - 121			
1,2-Dibromoethane	52.4100	5.0	50.0000		105	69 - 123			
1,2-Dichlorobenzene	50.8700	5.0	50.0000		102	81 - 114			
1,2-Dichloroethane	44.9700	5.0	50.0000		89.9	71 - 119			
1,2-Dichloropropane	48.4300	5.0	50.0000		96.9	71 - 118			
1,3,5-Trimethylbenzene	50.7000	5.0	50.0000		101	81 - 120			
1,3-Dichlorobenzene	51.5100	5.0	50.0000		103	80 - 115			
1,3-Dichloropropane	48.8200	5.0	50.0000		97.6	77 - 117			
1,4-Dichlorobenzene	50.3200	5.0	50.0000		101	80 - 115			
2,2-Dichloropropane	46.5300	5.0	50.0000		93.1	58 - 141			
2-Chlorotoluene	50.8700	5.0	50.0000		102	78 - 120			
4-Chlorotoluene	49.6800	5.0	50.0000		99.4	79 - 119			
4-Isopropyltoluene	50.1400	5.0	50.0000		100	81 - 125			
Benzene	98.1500	5.0	100.000		98.2	73 - 116			
Bromobenzene	51.0800	5.0	50.0000		102	78 - 115			
Bromochloromethane	45.1300	5.0	50.0000		90.3	66 - 121			
Bromodichloromethane	48.0200	5.0	50.0000		96.0	73 - 120			
Bromoform	53.6200	5.0	50.0000		107	68 - 124			
Bromomethane	47.7300	5.0	50.0000		95.5	26 - 163			
Carbon disulfide	40.0400	5.0	50.0000		80.1	43 - 142			
Carbon tetrachloride	54.4100	5.0	50.0000		109	67 - 130			
Chlorobenzene	51.9800	5.0	50.0000		104	82 - 114			
Chloroethane	50.9100	5.0	50.0000		102	40 - 151			
Chloroform	45.1400	5.0	50.0000		90.3	68 - 124			
Chloromethane	34.4100	5.0	50.0000		68.8	18 - 144			
cis-1,2-Dichloroethene	45.7800	5.0	50.0000		91.6	66 - 125			
cis-1,3-Dichloropropene	51.2700	5.0	50.0000		103	77 - 120			
Di-isopropyl ether	44.0100	5.0	50.0000		88.0	56 - 132			
Dibromochloromethane	51.0600	5.0	50.0000		102	76 - 118			
Dibromomethane	49.0100	5.0	50.0000		98.0	69 - 122			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0659 - MSVOA_S (continued)									
LCS (B5G0659-BS1) - Continued				Prepared: 7/30/2015 Analyzed: 7/30/2015					
Dichlorodifluoromethane	45.7500	5.0	50.0000		91.5	0 - 155			
Ethyl Acetate	462.490	50	500.000		92.5	31 - 137			
Ethyl Ether	425.720	50	500.000		85.1	47 - 150			
Ethyl tert-butyl ether	47.2400	5.0	50.0000		94.5	63 - 134			
Ethylbenzene	96.4300	5.0	100.000		96.4	79 - 115			
Freon-113	48.1100	5.0	50.0000		96.2	62 - 134			
Hexachlorobutadiene	51.0800	5.0	50.0000		102	71 - 121			
Isopropylbenzene	52.5600	5.0	50.0000		105	78 - 126			
m,p-Xylene	93.6700	10	100.000		93.7	80 - 119			
Methylene chloride	52.1200	5.0	50.0000		104	56 - 129			
MTBE	44.7200	5.0	50.0000		89.4	61 - 124			
n-Butylbenzene	53.0900	5.0	50.0000		106	78 - 127			
n-Propylbenzene	52.9100	5.0	50.0000		106	77 - 128			
Naphthalene	47.1400	5.0	50.0000		94.3	61 - 141			
o-Xylene	93.2700	5.0	100.000		93.3	81 - 116			
sec-Butylbenzene	51.5600	5.0	50.0000		103	81 - 125			
Styrene	50.3100	5.0	50.0000		101	82 - 120			
tert-Amyl methyl ether	45.0400	5.0	50.0000		90.1	52 - 149			
tert-Butanol	188.410	100	250.000		75.4	26 - 160			
tert-Butylbenzene	51.8700	5.0	50.0000		104	80 - 123			
Tetrachloroethene	54.1800	5.0	50.0000		108	75 - 123			
Toluene	99.0100	5.0	100.000		99.0	75 - 119			
trans-1,2-Dichloroethene	47.6800	5.0	50.0000		95.4	62 - 127			
trans-1,3-Dichloropropene	51.6000	5.0	50.0000		103	68 - 121			
Trichloroethene	52.6300	5.0	50.0000		105	73 - 119			
Trichlorofluoromethane	46.5900	5.0	50.0000		93.2	47 - 157			
Vinyl acetate	499.480	50	500.000		99.9	20 - 136			
Vinyl chloride	41.8000	5.0	50.0000		83.6	27 - 147			
Surrogate: 1,2-Dichloroethane-d4	*48.18*		*50.0000*		*96.4*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*47.37*		*50.0000*		*94.7*	*20 - 173*			
Surrogate: Dibromofluoromethane	*53.73*		*50.0000*		*107*	*26 - 178*			
Surrogate: Toluene-d8	*49.47*		*50.0000*		*98.9*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0659 - MSVOA_S (continued)									
Matrix Spike (B5G0659-MS1)		**Source: 1502626-01**		Prepared: 7/30/2015 Analyzed: 7/30/2015					
1,1,1,2-Tetrachloroethane	49.2100	5.0	50.0000	ND	98.4	45 - 122			
1,1,1-Trichloroethane	43.5400	5.0	50.0000	ND	87.1	46 - 131			
1,1,2,2-Tetrachloroethane	51.1100	5.0	50.0000	ND	102	34 - 133			
1,1,2-Trichloroethane	48.3500	5.0	50.0000	ND	96.7	40 - 133			
1,1-Dichloroethane	41.6100	5.0	50.0000	ND	83.2	50 - 120			
1,1-Dichloroethene	44.4500	5.0	50.0000	ND	88.9	42 - 130			
1,1-Dichloropropene	47.2900	5.0	50.0000	ND	94.6	49 - 125			
1,2,3-Trichloropropane	50.4000	5.0	50.0000	ND	101	42 - 130			
1,2,3-Trichlorobenzene	43.1800	5.0	50.0000	ND	86.4	2 - 136			
1,2,4-Trichlorobenzene	43.0100	5.0	50.0000	ND	86.0	6 - 137			
1,2,4-Trimethylbenzene	43.8200	5.0	50.0000	ND	87.6	37 - 129			
1,2-Dibromo-3-chloropropane	47.5800	10	50.0000	ND	95.2	36 - 135			
1,2-Dibromoethane	53.8500	5.0	50.0000	ND	108	43 - 129			
1,2-Dichlorobenzene	45.8200	5.0	50.0000	ND	91.6	31 - 129			
1,2-Dichloroethane	45.5500	5.0	50.0000	ND	91.1	50 - 122			
1,2-Dichloropropane	45.3400	5.0	50.0000	ND	90.7	51 - 119			
1,3,5-Trimethylbenzene	44.5300	5.0	50.0000	ND	89.1	38 - 130			
1,3-Dichlorobenzene	46.1200	5.0	50.0000	ND	92.2	31 - 128			
1,3-Dichloropropane	49.1100	5.0	50.0000	ND	98.2	52 - 122			
1,4-Dichlorobenzene	45.7200	5.0	50.0000	ND	91.4	31 - 128			
2,2-Dichloropropane	43.4100	5.0	50.0000	ND	86.8	42 - 140			
2-Chlorotoluene	45.1000	5.0	50.0000	ND	90.2	38 - 129			
4-Chlorotoluene	44.4800	5.0	50.0000	ND	89.0	38 - 128			
4-Isopropyltoluene	44.3400	5.0	50.0000	ND	88.7	31 - 137			
Benzene	89.8500	5.0	100.000	ND	89.8	51 - 117			
Bromobenzene	46.9800	5.0	50.0000	ND	94.0	41 - 125			
Bromochloromethane	45.9200	5.0	50.0000	ND	91.8	47 - 123			
Bromodichloromethane	45.0400	5.0	50.0000	ND	90.1	50 - 122			
Bromoform	54.7000	5.0	50.0000	ND	109	39 - 131			
Bromomethane	48.6500	5.0	50.0000	ND	97.3	10 - 154			
Carbon disulfide	37.6500	5.0	50.0000	ND	75.3	24 - 138			
Carbon tetrachloride	49.6900	5.0	50.0000	ND	99.4	44 - 131			
Chlorobenzene	46.5400	5.0	50.0000	ND	93.1	46 - 123			
Chloroethane	40.1100	5.0	50.0000	ND	80.2	27 - 143			
Chloroform	42.5900	5.0	50.0000	ND	85.2	50 - 124			
Chloromethane	31.0300	5.0	50.0000	ND	62.1	8 - 139			
cis-1,2-Dichloroethene	43.0100	5.0	50.0000	ND	86.0	48 - 125			
cis-1,3-Dichloropropene	48.8500	5.0	50.0000	ND	97.7	51 - 123			
Di-isopropyl ether	43.0500	5.0	50.0000	ND	86.1	45 - 125			
Dibromochloromethane	49.9100	5.0	50.0000	ND	99.8	48 - 124			
Dibromomethane	49.2900	5.0	50.0000	ND	98.6	48 - 124			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0659 - MSVOA_S (continued)									
Matrix Spike (B5G0659-MS1) - Continued		**Source: 1502626-01**		Prepared: 7/30/2015 Analyzed: 7/30/2015					
Dichlorodifluoromethane	42.9700	5.0	50.0000	ND	85.9	0 - 150			
Ethyl Acetate	519.430	50	500.000	ND	104	0 - 140			
Ethyl Ether	432.450	50	500.000	ND	86.5	36 - 142			
Ethyl tert-butyl ether	46.5000	5.0	50.0000	ND	93.0	46 - 133			
Ethylbenzene	86.3100	5.0	100.000	ND	86.3	46 - 123			
Freon-113	46.7600	5.0	50.0000	ND	93.5	38 - 137			
Hexachlorobutadiene	44.1900	5.0	50.0000	ND	88.4	5 - 132			
Isopropylbenzene	46.7500	5.0	50.0000	ND	93.5	43 - 132			
m,p-Xylene	83.6900	10	100.000	ND	83.7	45 - 128			
Methylene chloride	48.9200	5.0	50.0000	ND	97.8	37 - 126			
MTBE	46.8400	5.0	50.0000	ND	93.7	46 - 125			
n-Butylbenzene	46.0700	5.0	50.0000	ND	92.1	24 - 138			
n-Propylbenzene	46.9800	5.0	50.0000	ND	94.0	40 - 133			
Naphthalene	48.0000	5.0	50.0000	ND	96.0	10 - 149			
o-Xylene	83.8700	5.0	100.000	ND	83.9	45 - 125			
sec-Butylbenzene	45.4000	5.0	50.0000	ND	90.8	33 - 136			
Styrene	45.2900	5.0	50.0000	ND	90.6	43 - 128			
tert-Amyl methyl ether	46.2900	5.0	50.0000	ND	92.6	35 - 147			
tert-Butanol	207.090	100	250.000	ND	82.8	0 - 208			
tert-Butylbenzene	45.6800	5.0	50.0000	ND	91.4	36 - 133			
Tetrachloroethene	48.9400	5.0	50.0000	ND	97.9	41 - 129			
Toluene	90.6500	5.0	100.000	ND	90.6	49 - 124			
trans-1,2-Dichloroethene	44.8800	5.0	50.0000	ND	89.8	44 - 126			
trans-1,3-Dichloropropene	50.9000	5.0	50.0000	ND	102	42 - 125			
Trichloroethene	47.6500	5.0	50.0000	ND	95.3	38 - 139			
Trichlorofluoromethane	43.5300	5.0	50.0000	ND	87.1	30 - 157			
Vinyl acetate	499.190	50	500.000	ND	99.8	0 - 132			
Vinyl chloride	39.6600	5.0	50.0000	ND	79.3	19 - 142			
Surrogate: 1,2-Dichloroethane-d4	*52.27*		*50.0000*		*105*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*46.64*		*50.0000*		*93.3*	*20 - 173*			
Surrogate: Dibromofluoromethane	*57.15*		*50.0000*		*114*	*26 - 178*			
Surrogate: Toluene-d8	*49.26*		*50.0000*		*98.5*	*31 - 166*			

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0659 - MSVOA_S (continued)									
Matrix Spike Dup (B5G0659-MSD1)		**Source: 1502626-01**		Prepared: 7/30/2015 Analyzed: 7/30/2015					
1,1,1,2-Tetrachloroethane	44.5400	5.0	50.0000	ND	89.1	45 - 122	9.96	20	
1,1,1-Trichloroethane	40.5600	5.0	50.0000	ND	81.1	46 - 131	7.09	20	
1,1,2,2-Tetrachloroethane	45.0100	5.0	50.0000	ND	90.0	34 - 133	12.7	20	
1,1,2-Trichloroethane	45.0700	5.0	50.0000	ND	90.1	40 - 133	7.02	20	
1,1-Dichloroethane	38.6000	5.0	50.0000	ND	77.2	50 - 120	7.51	20	
1,1-Dichloroethene	41.0900	5.0	50.0000	ND	82.2	42 - 130	7.86	20	
1,1-Dichloropropene	43.9500	5.0	50.0000	ND	87.9	49 - 125	7.32	20	
1,2,3-Trichloropropane	44.3500	5.0	50.0000	ND	88.7	42 - 130	12.8	20	
1,2,3-Trichlorobenzene	37.9100	5.0	50.0000	ND	75.8	2 - 136	13.0	20	
1,2,4-Trichlorobenzene	38.7700	5.0	50.0000	ND	77.5	6 - 137	10.4	20	
1,2,4-Trimethylbenzene	41.5800	5.0	50.0000	ND	83.2	37 - 129	5.25	20	
1,2-Dibromo-3-chloropropane	47.1100	10	50.0000	ND	94.2	36 - 135	0.993	20	
1,2-Dibromoethane	48.9500	5.0	50.0000	ND	97.9	43 - 129	9.53	20	
1,2-Dichlorobenzene	43.2600	5.0	50.0000	ND	86.5	31 - 129	5.75	20	
1,2-Dichloroethane	42.1300	5.0	50.0000	ND	84.3	50 - 122	7.80	20	
1,2-Dichloropropane	41.9800	5.0	50.0000	ND	84.0	51 - 119	7.70	20	
1,3,5-Trimethylbenzene	41.5900	5.0	50.0000	ND	83.2	38 - 130	6.83	20	
1,3-Dichlorobenzene	42.3700	5.0	50.0000	ND	84.7	31 - 128	8.48	20	
1,3-Dichloropropane	44.3500	5.0	50.0000	ND	88.7	52 - 122	10.2	20	
1,4-Dichlorobenzene	42.5700	5.0	50.0000	ND	85.1	31 - 128	7.14	20	
2,2-Dichloropropane	39.9300	5.0	50.0000	ND	79.9	42 - 140	8.35	20	
2-Chlorotoluene	41.4000	5.0	50.0000	ND	82.8	38 - 129	8.55	20	
4-Chlorotoluene	40.9400	5.0	50.0000	ND	81.9	38 - 128	8.29	20	
4-Isopropyltoluene	41.5700	5.0	50.0000	ND	83.1	31 - 137	6.45	20	
Benzene	83.4100	5.0	100.000	ND	83.4	51 - 117	7.43	20	
Bromobenzene	41.9400	5.0	50.0000	ND	83.9	41 - 125	11.3	20	
Bromochloromethane	42.0500	5.0	50.0000	ND	84.1	47 - 123	8.80	20	
Bromodichloromethane	42.2300	5.0	50.0000	ND	84.5	50 - 122	6.44	20	
Bromoform	50.6500	5.0	50.0000	ND	101	39 - 131	7.69	20	
Bromomethane	38.1200	5.0	50.0000	ND	76.2	10 - 154	24.3	20	R
Carbon disulfide	41.3000	5.0	50.0000	ND	82.6	24 - 138	9.25	20	
Carbon tetrachloride	46.2200	5.0	50.0000	ND	92.4	44 - 131	7.24	20	
Chlorobenzene	42.9700	5.0	50.0000	ND	85.9	46 - 123	7.98	20	
Chloroethane	40.8200	5.0	50.0000	ND	81.6	27 - 143	1.75	20	
Chloroform	39.9000	5.0	50.0000	ND	79.8	50 - 124	6.52	20	
Chloromethane	28.7400	5.0	50.0000	ND	57.5	8 - 139	7.66	20	
cis-1,2-Dichloroethene	39.5300	5.0	50.0000	ND	79.1	48 - 125	8.43	20	
cis-1,3-Dichloropropene	44.3200	5.0	50.0000	ND	88.6	51 - 123	9.72	20	
Di-isopropyl ether	38.7400	5.0	50.0000	ND	77.5	45 - 125	10.5	20	
Dibromochloromethane	45.0200	5.0	50.0000	ND	90.0	48 - 124	10.3	20	
Dibromomethane	46.2900	5.0	50.0000	ND	92.6	48 - 124	6.28	20	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0659 - MSVOA_S (continued)									
Matrix Spike Dup (B5G0659-MSD1) - Continued		**Source: 1502626-01**		Prepared: 7/30/2015 Analyzed: 7/30/2015					
Dichlorodifluoromethane	40.5000	5.0	50.0000	ND	81.0	0 - 150	5.92	20	
Ethyl Acetate	412.310	50	500.000	ND	82.5	0 - 140	23.0	20	R
Ethyl Ether	382.120	50	500.000	ND	76.4	36 - 142	12.4	20	
Ethyl tert-butyl ether	42.2900	5.0	50.0000	ND	84.6	46 - 133	9.48	20	
Ethylbenzene	81.2800	5.0	100.000	ND	81.3	46 - 123	6.00	20	
Freon-113	44.6200	5.0	50.0000	ND	89.2	38 - 137	4.68	20	
Hexachlorobutadiene	41.2600	5.0	50.0000	ND	82.5	5 - 132	6.86	20	
Isopropylbenzene	42.5200	5.0	50.0000	ND	85.0	43 - 132	9.48	20	
m,p-Xylene	79.6600	10	100.000	ND	79.7	45 - 128	4.93	20	
Methylene chloride	44.6200	5.0	50.0000	ND	89.2	37 - 126	9.19	20	
MTBE	42.5700	5.0	50.0000	ND	85.1	46 - 125	9.55	20	
n-Butylbenzene	43.5400	5.0	50.0000	ND	87.1	24 - 138	5.65	20	
n-Propylbenzene	43.0800	5.0	50.0000	ND	86.2	40 - 133	8.66	20	
Naphthalene	43.1400	5.0	50.0000	ND	86.3	10 - 149	10.7	20	
o-Xylene	79.6600	5.0	100.000	ND	79.7	45 - 125	5.15	20	
sec-Butylbenzene	41.7200	5.0	50.0000	ND	83.4	33 - 136	8.45	20	
Styrene	42.9800	5.0	50.0000	ND	86.0	43 - 128	5.23	20	
tert-Amyl methyl ether	41.8400	5.0	50.0000	ND	83.7	35 - 147	10.1	20	
tert-Butanol	211.790	100	250.000	ND	84.7	0 - 208	2.24	20	
tert-Butylbenzene	42.2600	5.0	50.0000	ND	84.5	36 - 133	7.78	20	
Tetrachloroethene	44.2600	5.0	50.0000	ND	88.5	41 - 129	10.0	20	
Toluene	86.2800	5.0	100.000	ND	86.3	49 - 124	4.94	20	
trans-1,2-Dichloroethene	40.9000	5.0	50.0000	ND	81.8	44 - 126	9.28	20	
trans-1,3-Dichloropropene	45.3200	5.0	50.0000	ND	90.6	42 - 125	11.6	20	
Trichloroethene	43.9700	5.0	50.0000	ND	87.9	38 - 139	8.03	20	
Trichlorofluoromethane	39.9800	5.0	50.0000	ND	80.0	30 - 157	8.50	20	
Vinyl acetate	361.300	50	500.000	ND	72.3	0 - 132	32.0	20	R
Vinyl chloride	35.6800	5.0	50.0000	ND	71.4	19 - 142	10.6	20	
Surrogate: 1,2-Dichloroethane-d4	*50.52*		*50.0000*		*101*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*48.39*		*50.0000*		*96.8*	*20 - 173*			
Surrogate: Dibromofluoromethane	*57.37*		*50.0000*		*115*	*26 - 178*			
Surrogate: Toluene-d8	*50.10*		*50.0000*		*100*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0687 - MSVOA_S									
Blank (B5G0687-BLK1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
1,1,1,2-Tetrachloroethane	ND	5.0			NR				
1,1,1-Trichloroethane	ND	5.0			NR				
1,1,2,2-Tetrachloroethane	ND	5.0			NR				
1,1,2-Trichloroethane	ND	5.0			NR				
1,1-Dichloroethane	ND	5.0			NR				
1,1-Dichloroethene	ND	5.0			NR				
1,1-Dichloropropene	ND	5.0			NR				
1,2,3-Trichloropropane	ND	5.0			NR				
1,2,3-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trimethylbenzene	ND	5.0			NR				
1,2-Dibromo-3-chloropropane	ND	10			NR				
1,2-Dibromoethane	ND	5.0			NR				
1,2-Dichlorobenzene	ND	5.0			NR				
1,2-Dichloroethane	ND	5.0			NR				
1,2-Dichloropropane	ND	5.0			NR				
1,3,5-Trimethylbenzene	ND	5.0			NR				
1,3-Dichlorobenzene	ND	5.0			NR				
1,3-Dichloropropane	ND	5.0			NR				
1,4-Dichlorobenzene	ND	5.0			NR				
2,2-Dichloropropane	ND	5.0			NR				
2-Chlorotoluene	ND	5.0			NR				
4-Chlorotoluene	ND	5.0			NR				
4-Isopropyltoluene	ND	5.0			NR				
Benzene	ND	5.0			NR				
Bromobenzene	ND	5.0			NR				
Bromochloromethane	ND	5.0			NR				
Bromodichloromethane	ND	5.0			NR				
Bromoform	ND	5.0			NR				
Bromomethane	ND	5.0			NR				
Carbon disulfide	ND	5.0			NR				
Carbon tetrachloride	ND	5.0			NR				
Chlorobenzene	ND	5.0			NR				
Chloroethane	ND	5.0			NR				
Chloroform	ND	5.0			NR				
Chloromethane	ND	5.0			NR				
cis-1,2-Dichloroethene	ND	5.0			NR				
cis-1,3-Dichloropropene	ND	5.0			NR				
Di-isopropyl ether	ND	5.0			NR				
Dibromochloromethane	ND	5.0			NR				
Dibromomethane	ND	5.0			NR				

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0687 - MSVOA_S (continued)									
Blank (B5G0687-BLK1) - Continued				Prepared: 7/31/2015 Analyzed: 7/31/2015					
Dichlorodifluoromethane	ND	5.0			NR				
Ethyl Acetate	ND	50			NR				
Ethyl Ether	ND	50			NR				
Ethyl tert-butyl ether	ND	5.0			NR				
Ethylbenzene	ND	5.0			NR				
Freon-113	ND	5.0			NR				
Hexachlorobutadiene	ND	5.0			NR				
Isopropylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
Methylene chloride	ND	5.0			NR				
MTBE	ND	5.0			NR				
n-Butylbenzene	ND	5.0			NR				
n-Propylbenzene	ND	5.0			NR				
Naphthalene	ND	5.0			NR				
o-Xylene	ND	5.0			NR				
sec-Butylbenzene	ND	5.0			NR				
Styrene	ND	5.0			NR				
tert-Amyl methyl ether	ND	5.0			NR				
tert-Butanol	ND	100			NR				
tert-Butylbenzene	ND	5.0			NR				
Tetrachloroethene	ND	5.0			NR				
Toluene	ND	5.0			NR				
trans-1,2-Dichloroethene	ND	5.0			NR				
trans-1,3-Dichloropropene	ND	5.0			NR				
Trichloroethene	ND	5.0			NR				
Trichlorofluoromethane	ND	5.0			NR				
Vinyl acetate	ND	50			NR				
Vinyl chloride	ND	5.0			NR				
Surrogate: 1,2-Dichloroethane-d4	*40.71*		*50.0000*		*81.4*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*46.69*		*50.0000*		*93.4*	*20 - 173*			
Surrogate: Dibromofluoromethane	*50.11*		*50.0000*		*100*	*26 - 178*			
Surrogate: Toluene-d8	*49.16*		*50.0000*		*98.3*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0687 - MSVOA_S (continued)									
LCS (B5G0687-BS1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
1,1,1,2-Tetrachloroethane	50.7100	5.0	50.0000		101	74 - 117			
1,1,1-Trichloroethane	45.8400	5.0	50.0000		91.7	65 - 130			
1,1,2,2-Tetrachloroethane	44.2100	5.0	50.0000		88.4	63 - 123			
1,1,2-Trichloroethane	45.2000	5.0	50.0000		90.4	66 - 122			
1,1-Dichloroethane	43.6100	5.0	50.0000		87.2	65 - 124			
1,1-Dichloroethene	47.1600	5.0	50.0000		94.3	60 - 130			
1,1-Dichloropropene	51.4100	5.0	50.0000		103	75 - 121			
1,2,3-Trichloropropane	42.2400	5.0	50.0000		84.5	62 - 126			
1,2,3-Trichlorobenzene	44.5800	5.0	50.0000		89.2	72 - 120			
1,2,4-Trichlorobenzene	49.2200	5.0	50.0000		98.4	75 - 121			
1,2,4-Trimethylbenzene	52.1000	5.0	50.0000		104	82 - 118			
1,2-Dibromo-3-chloropropane	44.0500	10	50.0000		88.1	67 - 121			
1,2-Dibromoethane	48.9400	5.0	50.0000		97.9	69 - 123			
1,2-Dichlorobenzene	51.1700	5.0	50.0000		102	81 - 114			
1,2-Dichloroethane	44.0000	5.0	50.0000		88.0	71 - 119			
1,2-Dichloropropane	47.0400	5.0	50.0000		94.1	71 - 118			
1,3,5-Trimethylbenzene	52.2100	5.0	50.0000		104	81 - 120			
1,3-Dichlorobenzene	51.6700	5.0	50.0000		103	80 - 115			
1,3-Dichloropropane	47.4000	5.0	50.0000		94.8	77 - 117			
1,4-Dichlorobenzene	51.3100	5.0	50.0000		103	80 - 115			
2,2-Dichloropropane	44.3400	5.0	50.0000		88.7	58 - 141			
2-Chlorotoluene	49.6800	5.0	50.0000		99.4	78 - 120			
4-Chlorotoluene	49.4700	5.0	50.0000		98.9	79 - 119			
4-Isopropyltoluene	52.0800	5.0	50.0000		104	81 - 125			
Benzene	96.2600	5.0	100.000		96.3	73 - 116			
Bromobenzene	47.7200	5.0	50.0000		95.4	78 - 115			
Bromochloromethane	43.2400	5.0	50.0000		86.5	66 - 121			
Bromodichloromethane	46.7900	5.0	50.0000		93.6	73 - 120			
Bromoform	50.0500	5.0	50.0000		100	68 - 124			
Bromomethane	58.5100	5.0	50.0000		117	26 - 163			
Carbon disulfide	45.3400	5.0	50.0000		90.7	43 - 142			
Carbon tetrachloride	54.2700	5.0	50.0000		109	67 - 130			
Chlorobenzene	51.4600	5.0	50.0000		103	82 - 114			
Chloroethane	52.9100	5.0	50.0000		106	40 - 151			
Chloroform	44.1600	5.0	50.0000		88.3	68 - 124			
Chloromethane	41.8300	5.0	50.0000		83.7	18 - 144			
cis-1,2-Dichloroethene	44.4800	5.0	50.0000		89.0	66 - 125			
cis-1,3-Dichloropropene	48.9200	5.0	50.0000		97.8	77 - 120			
Di-isopropyl ether	41.0500	5.0	50.0000		82.1	56 - 132			
Dibromochloromethane	48.1000	5.0	50.0000		96.2	76 - 118			
Dibromomethane	46.1100	5.0	50.0000		92.2	69 - 122			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0687 - MSVOA_S (continued)									
LCS (B5G0687-BS1) - Continued				Prepared: 7/31/2015 Analyzed: 7/31/2015					
Dichlorodifluoromethane	48.8700	5.0	50.0000		97.7	0 - 155			
Ethyl Acetate	417.060	50	500.000		83.4	31 - 137			
Ethyl Ether	397.920	50	500.000		79.6	47 - 150			
Ethyl tert-butyl ether	42.9800	5.0	50.0000		86.0	63 - 134			
Ethylbenzene	96.3600	5.0	100.000		96.4	79 - 115			
Freon-113	49.4800	5.0	50.0000		99.0	62 - 134			
Hexachlorobutadiene	53.4400	5.0	50.0000		107	71 - 121			
Isopropylbenzene	51.4000	5.0	50.0000		103	78 - 126			
m,p-Xylene	96.9300	10	100.000		96.9	80 - 119			
Methylene chloride	50.5700	5.0	50.0000		101	56 - 129			
MTBE	40.5600	5.0	50.0000		81.1	61 - 124			
n-Butylbenzene	57.0200	5.0	50.0000		114	78 - 127			
n-Propylbenzene	53.0800	5.0	50.0000		106	77 - 128			
Naphthalene	45.2200	5.0	50.0000		90.4	61 - 141			
o-Xylene	95.6200	5.0	100.000		95.6	81 - 116			
sec-Butylbenzene	52.3700	5.0	50.0000		105	81 - 125			
Styrene	52.4400	5.0	50.0000		105	82 - 120			
tert-Amyl methyl ether	40.5900	5.0	50.0000		81.2	52 - 149			
tert-Butanol	147.270	100	250.000		58.9	26 - 160			
tert-Butylbenzene	51.9000	5.0	50.0000		104	80 - 123			
Tetrachloroethene	53.4800	5.0	50.0000		107	75 - 123			
Toluene	98.1400	5.0	100.000		98.1	75 - 119			
trans-1,2-Dichloroethene	45.8800	5.0	50.0000		91.8	62 - 127			
trans-1,3-Dichloropropene	48.7000	5.0	50.0000		97.4	68 - 121			
Trichloroethene	50.8700	5.0	50.0000		102	73 - 119			
Trichlorofluoromethane	46.9400	5.0	50.0000		93.9	47 - 157			
Vinyl acetate	451.000	50	500.000		90.2	20 - 136			
Vinyl chloride	46.7900	5.0	50.0000		93.6	27 - 147			
Surrogate: 1,2-Dichloroethane-d4	*45.95*		*50.0000*		*91.9*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*48.77*		*50.0000*		*97.5*	*20 - 173*			
Surrogate: Dibromofluoromethane	*53.05*		*50.0000*		*106*	*26 - 178*			
Surrogate: Toluene-d8	*49.49*		*50.0000*		*99.0*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0687 - MSVOA_S (continued)									
Matrix Spike (B5G0687-MS1)		**Source: 1502626-19**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
1,1,1,2-Tetrachloroethane	44.7200	5.0	50.0000	ND	89.4	45 - 122			
1,1,1-Trichloroethane	42.8500	5.0	50.0000	ND	85.7	46 - 131			
1,1,2,2-Tetrachloroethane	41.2900	5.0	50.0000	ND	82.6	34 - 133			
1,1,2-Trichloroethane	42.5700	5.0	50.0000	ND	85.1	40 - 133			
1,1-Dichloroethane	40.0400	5.0	50.0000	ND	80.1	50 - 120			
1,1-Dichloroethene	43.1000	5.0	50.0000	ND	86.2	42 - 130			
1,1-Dichloropropene	47.0900	5.0	50.0000	ND	94.2	49 - 125			
1,2,3-Trichloropropane	39.8500	5.0	50.0000	ND	79.7	42 - 130			
1,2,3-Trichlorobenzene	36.7100	5.0	50.0000	ND	73.4	2 - 136			
1,2,4-Trichlorobenzene	39.1100	5.0	50.0000	ND	78.2	6 - 137			
1,2,4-Trimethylbenzene	44.4400	5.0	50.0000	ND	88.9	37 - 129			
1,2-Dibromo-3-chloropropane	40.9400	10	50.0000	ND	81.9	36 - 135			
1,2-Dibromoethane	45.1600	5.0	50.0000	ND	90.3	43 - 129			
1,2-Dichlorobenzene	42.8000	5.0	50.0000	ND	85.6	31 - 129			
1,2-Dichloroethane	40.4500	5.0	50.0000	ND	80.9	50 - 122			
1,2-Dichloropropane	42.9900	5.0	50.0000	ND	86.0	51 - 119			
1,3,5-Trimethylbenzene	44.8600	5.0	50.0000	ND	89.7	38 - 130			
1,3-Dichlorobenzene	43.3700	5.0	50.0000	ND	86.7	31 - 128			
1,3-Dichloropropane	42.4400	5.0	50.0000	ND	84.9	52 - 122			
1,4-Dichlorobenzene	43.4300	5.0	50.0000	ND	86.9	31 - 128			
2,2-Dichloropropane	40.7000	5.0	50.0000	ND	81.4	42 - 140			
2-Chlorotoluene	43.0200	5.0	50.0000	ND	86.0	38 - 129			
4-Chlorotoluene	42.5300	5.0	50.0000	ND	85.1	38 - 128			
4-Isopropyltoluene	43.8900	5.0	50.0000	ND	87.8	31 - 137			
Benzene	88.3500	5.0	100.000	ND	88.4	51 - 117			
Bromobenzene	41.8600	5.0	50.0000	ND	83.7	41 - 125			
Bromochloromethane	39.9100	5.0	50.0000	ND	79.8	47 - 123			
Bromodichloromethane	41.5000	5.0	50.0000	ND	83.0	50 - 122			
Bromoform	46.5300	5.0	50.0000	ND	93.1	39 - 131			
Bromomethane	50.9700	5.0	50.0000	ND	102	10 - 154			
Carbon disulfide	36.8700	5.0	50.0000	ND	73.7	24 - 138			
Carbon tetrachloride	51.3100	5.0	50.0000	ND	103	44 - 131			
Chlorobenzene	45.3300	5.0	50.0000	ND	90.7	46 - 123			
Chloroethane	46.7100	5.0	50.0000	ND	93.4	27 - 143			
Chloroform	40.0900	5.0	50.0000	ND	80.2	50 - 124			
Chloromethane	35.4300	5.0	50.0000	ND	70.9	8 - 139			
cis-1,2-Dichloroethene	39.8200	5.0	50.0000	ND	79.6	48 - 125			
cis-1,3-Dichloropropene	44.2600	5.0	50.0000	ND	88.5	51 - 123			
Di-isopropyl ether	37.6900	5.0	50.0000	ND	75.4	45 - 125			
Dibromochloromethane	43.5300	5.0	50.0000	ND	87.1	48 - 124			
Dibromomethane	42.3500	5.0	50.0000	ND	84.7	48 - 124			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0687 - MSVOA_S (continued)									
Matrix Spike (B5G0687-MS1) - Continued		**Source: 1502626-19**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Dichlorodifluoromethane	44.6800	5.0	50.0000	ND	89.4	0 - 150			
Ethyl Acetate	384.760	50	500.000	ND	77.0	0 - 140			
Ethyl Ether	372.690	50	500.000	ND	74.5	36 - 142			
Ethyl tert-butyl ether	39.5700	5.0	50.0000	ND	79.1	46 - 133			
Ethylbenzene	87.3200	5.0	100.000	ND	87.3	46 - 123			
Freon-113	45.5400	5.0	50.0000	ND	91.1	38 - 137			
Hexachlorobutadiene	39.1700	5.0	50.0000	ND	78.3	5 - 132			
Isopropylbenzene	46.0400	5.0	50.0000	ND	92.1	43 - 132			
m,p-Xylene	86.2500	10	100.000	ND	86.2	45 - 128			
Methylene chloride	44.4600	5.0	50.0000	ND	88.9	37 - 126			
MTBE	38.3000	5.0	50.0000	ND	76.6	46 - 125			
n-Butylbenzene	45.9600	5.0	50.0000	ND	91.9	24 - 138			
n-Propylbenzene	46.5400	5.0	50.0000	ND	93.1	40 - 133			
Naphthalene	39.3000	5.0	50.0000	ND	78.6	10 - 149			
o-Xylene	84.9900	5.0	100.000	ND	85.0	45 - 125			
sec-Butylbenzene	44.6100	5.0	50.0000	ND	89.2	33 - 136			
Styrene	45.3600	5.0	50.0000	ND	90.7	43 - 128			
tert-Amyl methyl ether	38.2000	5.0	50.0000	ND	76.4	35 - 147			
tert-Butanol	164.610	100	250.000	ND	65.8	0 - 208			
tert-Butylbenzene	45.2100	5.0	50.0000	ND	90.4	36 - 133			
Tetrachloroethene	48.0200	5.0	50.0000	ND	96.0	41 - 129			
Toluene	91.2000	5.0	100.000	ND	91.2	49 - 124			
trans-1,2-Dichloroethene	42.0100	5.0	50.0000	ND	84.0	44 - 126			
trans-1,3-Dichloropropene	42.8000	5.0	50.0000	ND	85.6	42 - 125			
Trichloroethene	46.4000	5.0	50.0000	ND	92.8	38 - 139			
Trichlorofluoromethane	43.5700	5.0	50.0000	ND	87.1	30 - 157			
Vinyl acetate	340.680	50	500.000	ND	68.1	0 - 132			
Vinyl chloride	42.4200	5.0	50.0000	ND	84.8	19 - 142			
Surrogate: 1,2-Dichloroethane-d4	*44.99*		*50.0000*		*90.0*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*49.15*		*50.0000*		*98.3*	*20 - 173*			
Surrogate: Dibromofluoromethane	*53.85*		*50.0000*		*108*	*26 - 178*			
Surrogate: Toluene-d8	*50.02*		*50.0000*		*100*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0687 - MSVOA_S (continued)									
Matrix Spike Dup (B5G0687-MSD1)		**Source: 1502626-19**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
1,1,1,2-Tetrachloroethane	43.4500	5.0	50.0000	ND	86.9	45 - 122	2.88	20	
1,1,1-Trichloroethane	40.5600	5.0	50.0000	ND	81.1	46 - 131	5.49	20	
1,1,2,2-Tetrachloroethane	39.5400	5.0	50.0000	ND	79.1	34 - 133	4.33	20	
1,1,2-Trichloroethane	41.0500	5.0	50.0000	ND	82.1	40 - 133	3.64	20	
1,1-Dichloroethane	38.1600	5.0	50.0000	ND	76.3	50 - 120	4.81	20	
1,1-Dichloroethene	41.6900	5.0	50.0000	ND	83.4	42 - 130	3.33	20	
1,1-Dichloropropene	44.7900	5.0	50.0000	ND	89.6	49 - 125	5.01	20	
1,2,3-Trichloropropane	38.7600	5.0	50.0000	ND	77.5	42 - 130	2.77	20	
1,2,3-Trichlorobenzene	34.3400	5.0	50.0000	ND	68.7	2 - 136	6.67	20	
1,2,4-Trichlorobenzene	36.8200	5.0	50.0000	ND	73.6	6 - 137	6.03	20	
1,2,4-Trimethylbenzene	42.3400	5.0	50.0000	ND	84.7	37 - 129	4.84	20	
1,2-Dibromo-3-chloropropane	40.4000	10	50.0000	ND	80.8	36 - 135	1.33	20	
1,2-Dibromoethane	43.3200	5.0	50.0000	ND	86.6	43 - 129	4.16	20	
1,2-Dichlorobenzene	41.0400	5.0	50.0000	ND	82.1	31 - 129	4.20	20	
1,2-Dichloroethane	39.9500	5.0	50.0000	ND	79.9	50 - 122	1.24	20	
1,2-Dichloropropane	41.3100	5.0	50.0000	ND	82.6	51 - 119	3.99	20	
1,3,5-Trimethylbenzene	43.1600	5.0	50.0000	ND	86.3	38 - 130	3.86	20	
1,3-Dichlorobenzene	41.4200	5.0	50.0000	ND	82.8	31 - 128	4.60	20	
1,3-Dichloropropane	40.8100	5.0	50.0000	ND	81.6	52 - 122	3.92	20	
1,4-Dichlorobenzene	41.4600	5.0	50.0000	ND	82.9	31 - 128	4.64	20	
2,2-Dichloropropane	38.6800	5.0	50.0000	ND	77.4	42 - 140	5.09	20	
2-Chlorotoluene	41.5100	5.0	50.0000	ND	83.0	38 - 129	3.57	20	
4-Chlorotoluene	40.8400	5.0	50.0000	ND	81.7	38 - 128	4.05	20	
4-Isopropyltoluene	41.6300	5.0	50.0000	ND	83.3	31 - 137	5.29	20	
Benzene	84.6700	5.0	100.000	ND	84.7	51 - 117	4.25	20	
Bromobenzene	40.3900	5.0	50.0000	ND	80.8	41 - 125	3.57	20	
Bromochloromethane	39.2700	5.0	50.0000	ND	78.5	47 - 123	1.62	20	
Bromodichloromethane	40.8600	5.0	50.0000	ND	81.7	50 - 122	1.55	20	
Bromoform	45.6100	5.0	50.0000	ND	91.2	39 - 131	2.00	20	
Bromomethane	49.9900	5.0	50.0000	ND	100	10 - 154	1.94	20	
Carbon disulfide	35.8000	5.0	50.0000	ND	71.6	24 - 138	2.94	20	
Carbon tetrachloride	48.7100	5.0	50.0000	ND	97.4	44 - 131	5.20	20	
Chlorobenzene	43.3400	5.0	50.0000	ND	86.7	46 - 123	4.49	20	
Chloroethane	45.8900	5.0	50.0000	ND	91.8	27 - 143	1.77	20	
Chloroform	38.8200	5.0	50.0000	ND	77.6	50 - 124	3.22	20	
Chloromethane	34.7300	5.0	50.0000	ND	69.5	8 - 139	2.00	20	
cis-1,2-Dichloroethene	37.2900	5.0	50.0000	ND	74.6	48 - 125	6.56	20	
cis-1,3-Dichloropropene	41.9600	5.0	50.0000	ND	83.9	51 - 123	5.34	20	
Di-isopropyl ether	36.4900	5.0	50.0000	ND	73.0	45 - 125	3.24	20	
Dibromochloromethane	41.7800	5.0	50.0000	ND	83.6	48 - 124	4.10	20	
Dibromomethane	41.3200	5.0	50.0000	ND	82.6	48 - 124	2.46	20	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0687 - MSVOA_S (continued)									
Matrix Spike Dup (B5G0687-MSD1) - Continued		**Source: 1502626-19**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
Dichlorodifluoromethane	42.8800	5.0	50.0000	ND	85.8	0 - 150	4.11	20	
Ethyl Acetate	335.410	50	500.000	ND	67.1	0 - 140	13.7	20	
Ethyl Ether	371.070	50	500.000	ND	74.2	36 - 142	0.436	20	
Ethyl tert-butyl ether	38.4000	5.0	50.0000	ND	76.8	46 - 133	3.00	20	
Ethylbenzene	83.7400	5.0	100.000	ND	83.7	46 - 123	4.19	20	
Freon-113	43.6700	5.0	50.0000	ND	87.3	38 - 137	4.19	20	
Hexachlorobutadiene	36.1000	5.0	50.0000	ND	72.2	5 - 132	8.16	20	
Isopropylbenzene	43.4500	5.0	50.0000	ND	86.9	43 - 132	5.79	20	
m,p-Xylene	82.3800	10	100.000	ND	82.4	45 - 128	4.59	20	
Methylene chloride	43.1600	5.0	50.0000	ND	86.3	37 - 126	2.97	20	
MTBE	37.3300	5.0	50.0000	ND	74.7	46 - 125	2.57	20	
n-Butylbenzene	43.6300	5.0	50.0000	ND	87.3	24 - 138	5.20	20	
n-Propylbenzene	44.2000	5.0	50.0000	ND	88.4	40 - 133	5.16	20	
Naphthalene	38.0200	5.0	50.0000	ND	76.0	10 - 149	3.31	20	
o-Xylene	81.9800	5.0	100.000	ND	82.0	45 - 125	3.61	20	
sec-Butylbenzene	41.9200	5.0	50.0000	ND	83.8	33 - 136	6.22	20	
Styrene	43.2400	5.0	50.0000	ND	86.5	43 - 128	4.79	20	
tert-Amyl methyl ether	36.6800	5.0	50.0000	ND	73.4	35 - 147	4.06	20	
tert-Butanol	156.320	100	250.000	ND	62.5	0 - 208	5.17	20	
tert-Butylbenzene	42.7100	5.0	50.0000	ND	85.4	36 - 133	5.69	20	
Tetrachloroethene	45.8500	5.0	50.0000	ND	91.7	41 - 129	4.62	20	
Toluene	87.5100	5.0	100.000	ND	87.5	49 - 124	4.13	20	
trans-1,2-Dichloroethene	40.6700	5.0	50.0000	ND	81.3	44 - 126	3.24	20	
trans-1,3-Dichloropropene	40.4600	5.0	50.0000	ND	80.9	42 - 125	5.62	20	
Trichloroethene	44.6900	5.0	50.0000	ND	89.4	38 - 139	3.75	20	
Trichlorofluoromethane	42.1300	5.0	50.0000	ND	84.3	30 - 157	3.36	20	
Vinyl acetate	266.320	50	500.000	ND	53.3	0 - 132	24.5	20	R
Vinyl chloride	41.2900	5.0	50.0000	ND	82.6	19 - 142	2.70	20	
Surrogate: 1,2-Dichloroethane-d4	*47.56*		*50.0000*		*95.1*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*48.11*		*50.0000*		*96.2*	*20 - 173*			
Surrogate: Dibromofluoromethane	*54.31*		*50.0000*		*109*	*26 - 178*			
Surrogate: Toluene-d8	*49.85*		*50.0000*		*99.7*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0682 - MSSEMI_S									
Blank (B5G0682-BLK1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
1,2,4-Trichlorobenzene	ND	330			NR				
1,2-Dichlorobenzene	ND	330			NR				
1,3-Dichlorobenzene	ND	330			NR				
1,4-Dichlorobenzene	ND	330			NR				
2,4,5-Trichlorophenol	ND	330			NR				
2,4,6-Trichlorophenol	ND	330			NR				
2,4-Dichlorophenol	ND	1600			NR				
2,4-Dimethylphenol	ND	330			NR				
2,4-Dinitrophenol	ND	1600			NR				
2,4-Dinitrotoluene	ND	330			NR				
2,6-Dinitrotoluene	ND	330			NR				
2-Chloronaphthalene	ND	330			NR				
2-Chlorophenol	ND	330			NR				
2-Methylnaphthalene	ND	330			NR				
2-Methylphenol	ND	330			NR				
2-Nitroaniline	ND	1600			NR				
2-Nitrophenol	ND	330			NR				
3,3´-Dichlorobenzidine	ND	660			NR				
3-Nitroaniline	ND	1600			NR				
4,6-Dinitro-2-methyphenol	ND	1600			NR				
4-Bromophenyl-phenylether	ND	330			NR				
4-Chloro-3-methylphenol	ND	660			NR				
4-Chloroaniline	ND	660			NR				
4-Chlorophenyl-phenylether	ND	330			NR				
4-Methylphenol	ND	330			NR				
4-Nitroaniline	ND	1600			NR				
4-Nitrophenol	ND	330			NR				
Acenaphthene	ND	330			NR				
Acenaphthylene	ND	330			NR				
Anthracene	ND	330			NR				
Benzidine (M)	ND	1600			NR				
Benzo(a)anthracene	ND	330			NR				
Benzo(a)pyrene	ND	330			NR				
Benzo(b)fluoranthene	ND	330			NR				
Benzo(g,h,i)perylene	ND	330			NR				
Benzo(k)fluoranthene	ND	330			NR				
Benzoic acid	ND	1600			NR				
Benzyl alcohol	ND	660			NR				
bis(2-chloroethoxy)methane	ND	330			NR				
bis(2-Chloroethyl)ether	ND	330			NR				
bis(2-chloroisopropyl)ether	ND	330			NR				

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0682 - MSSEMI_S (continued)									
Blank (B5G0682-BLK1) - Continued				Prepared: 7/31/2015 Analyzed: 7/31/2015					
bis(2-ethylhexyl)phthalate	ND	330			NR				
Butylbenzylphthalate	ND	330			NR				
Chrysene	ND	330			NR				
Di-n-butylphthalate	ND	330			NR				
Di-n-octylphthalate	ND	330			NR				
Dibenz(a,h)anthracene	ND	330			NR				
Dibenzofuran	ND	330			NR				
Diethyl phthalate	ND	330			NR				
Dimethyl phthalate	ND	330			NR				
Fluoranthene	ND	330			NR				
Fluorene	ND	330			NR				
Hexachlorobenzene	ND	330			NR				
Hexachlorobutadiene	ND	660			NR				
Hexachlorocyclopentadiene	ND	660			NR				
Hexachloroethane	ND	330			NR				
Indeno(1,2,3-cd)pyrene	ND	330			NR				
Isophorone	ND	330			NR				
N-Nitroso-di-n propylamine	ND	330			NR				
N-Nitrosodiphenylamine	ND	330			NR				
Naphthalene	ND	330			NR				
Nitrobenzene	ND	330			NR				
Pentachlorophenol	ND	1600			NR				
Phenanthrene	ND	330			NR				
Phenol	ND	330			NR				
Pyrene	ND	330			NR				
Pyridine	ND	1600			NR				
Surrogate: 1,2-Dichlorobenzene-d4	*1985*		*3333.33*		*59.5*	*24 - 114*			
Surrogate: 2,4,6-Tribromophenol	*1907*		*3333.33*		*57.2*	*0 - 189*			
Surrogate: 2-Chlorophenol-d4	*2090*		*3333.33*		*62.7*	*23 - 123*			
Surrogate: 2-Fluorobiphenyl	*2129*		*3333.33*		*63.9*	*28 - 128*			
Surrogate: 2-Fluorophenol	*2116*		*3333.33*		*63.5*	*8 - 138*			
Surrogate: 4-Terphenyl-d14	*2727*		*3333.33*		*81.8*	*27 - 154*			
Surrogate: Nitrobenzene-d5	*2267*		*3333.33*		*68.0*	*19 - 129*			
Surrogate: Phenol-d5	*1967*		*3333.33*		*59.0*	*20 - 126*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0682 - MSSEMI_S (continued)									
LCS (B5G0682-BS1)				Prepared: 7/31/2015 Analyzed: 7/31/2015					
1,2,4-Trichlorobenzene	2522.33	330	3333.33		75.7	67 - 110			
1,2-Dichlorobenzene	2637.67	330	3333.33		79.1	64 - 104			
1,3-Dichlorobenzene	2654.33	330	3333.33		79.6	63 - 104			
1,4-Dichlorobenzene	2413.33	330	3333.33		72.4	62 - 102			
2,4,5-Trichlorophenol	3137.67	330	3333.33		94.1	69 - 129			
2,4,6-Trichlorophenol	3773.33	330	3333.33		113	66 - 127			
2,4-Dichlorophenol	3654.67	1600	3333.33		110	64 - 116			
2,4-Dimethylphenol	3343.33	330	3333.33		100	61 - 111			
2,4-Dinitrophenol	3603.67	1600	3333.33		108	33 - 138			
2,4-Dinitrotoluene	3211.00	330	3333.33		96.3	76 - 137			
2,6-Dinitrotoluene	3337.00	330	3333.33		100	76 - 132			
2-Chloronaphthalene	2754.67	330	3333.33		82.6	67 - 126			
2-Chlorophenol	3406.33	330	3333.33		102	65 - 105			
2-Methylnaphthalene	2976.00	330	3333.33		89.3	68 - 121			
2-Methylphenol	2949.00	330	3333.33		88.5	66 - 103			
2-Nitroaniline	4204.67	1600	3333.33		126	62 - 137			
2-Nitrophenol	3826.00	330	3333.33		115	60 - 122			
3,3´-Dichlorobenzidine	3254.00	660	3333.33		97.6	61 - 128			
3-Nitroaniline	3381.67	1600	3333.33		101	61 - 118			
4,6-Dinitro-2-methyphenol	4538.00	1600	3333.33		136	57 - 146			
4-Bromophenyl-phenylether	2657.33	330	3333.33		79.7	71 - 135			
4-Chloro-3-methylphenol	3983.33	660	3333.33		120	72 - 124			
4-Chloroaniline	2731.00	660	3333.33		81.9	59 - 108			
4-Chlorophenyl-phenylether	2573.33	330	3333.33		77.2	71 - 135			
4-Methylphenol	3167.00	330	3333.33		95.0	72 - 113			
4-Nitroaniline	3596.00	1600	3333.33		108	70 - 130			
4-Nitrophenol	5268.33	330	3333.33		158	55 - 146			L5
Acenaphthene	2805.33	330	3333.33		84.2	66 - 112			
Acenaphthylene	2776.67	330	3333.33		83.3	66 - 114			
Anthracene	3097.67	330	3333.33		92.9	72 - 123			
Benzidine (M)	4805.33	1600	3333.33		144	43 - 155			
Benzo(a)anthracene	2718.00	330	3333.33		81.5	73 - 115			
Benzo(a)pyrene	2955.00	330	3333.33		88.7	78 - 125			
Benzo(b)fluoranthene	2917.67	330	3333.33		87.5	71 - 127			
Benzo(g,h,i)perylene	2704.33	330	3333.33		81.1	73 - 120			
Benzo(k)fluoranthene	2756.33	330	3333.33		82.7	72 - 121			
Benzoic acid	1491.00	1600	3333.33		44.7	19 - 133			
Benzyl alcohol	3032.00	660	3333.33		91.0	65 - 119			
bis(2-chloroethoxy)methane	2376.00	330	3333.33		71.3	62 - 118			
bis(2-Chloroethyl)ether	2414.67	330	3333.33		72.4	55 - 111			
bis(2-chloroisopropyl)ether	3454.00	330	3333.33		104	34 - 131			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0682 - MSSEMI_S (continued)									
LCS (B5G0682-BS1) - Continued				Prepared: 7/31/2015 Analyzed: 7/31/2015					
bis(2-ethylhexyl)phthalate	3223.33	330	3333.33		96.7	51 - 165			
Butylbenzylphthalate	3424.67	330	3333.33		103	54 - 155			
Chrysene	2516.00	330	3333.33		75.5	70 - 110			
Di-n-butylphthalate	3379.33	330	3333.33		101	65 - 155			
Di-n-octylphthalate	3438.33	330	3333.33		103	59 - 151			
Dibenz(a,h)anthracene	2907.33	330	3333.33		87.2	72 - 132			
Dibenzofuran	3081.00	330	3333.33		92.4	67 - 124			
Diethyl phthalate	3119.33	330	3333.33		93.6	66 - 138			
Dimethyl phthalate	2976.67	330	3333.33		89.3	70 - 136			
Fluoranthene	2829.33	330	3333.33		84.9	69 - 122			
Fluorene	2883.00	330	3333.33		86.5	67 - 120			
Hexachlorobenzene	2649.00	330	3333.33		79.5	71 - 130			
Hexachlorobutadiene	2415.33	660	3333.33		72.5	57 - 111			
Hexachlorocyclopentadiene	2878.00	660	3333.33		86.3	63 - 135			
Hexachloroethane	2734.67	330	3333.33		82.0	60 - 107			
Indeno(1,2,3-cd)pyrene	3061.00	330	3333.33		91.8	76 - 136			
Isophorone	2993.67	330	3333.33		89.8	63 - 137			
N-Nitroso-di-n propylamine	2858.67	330	3333.33		85.8	59 - 127			
N-Nitrosodiphenylamine	3030.00	330	3333.33		90.9	70 - 137			
Naphthalene	2515.00	330	3333.33		75.5	62 - 104			
Nitrobenzene	2870.00	330	3333.33		86.1	57 - 127			
Pentachlorophenol	3375.33	1600	3333.33		101	51 - 135			
Phenanthrene	2946.67	330	3333.33		88.4	70 - 121			
Phenol	3452.33	330	3333.33		104	63 - 112			
Pyrene	2851.33	330	3333.33		85.5	67 - 123			
Pyridine	1990.33	1600	3333.33		59.7	18 - 106			
Surrogate: 1,2-Dichlorobenzene-d4	*2390*		*3333.33*		*71.7*	*24 - 114*			
Surrogate: 2,4,6-Tribromophenol	*2540*		*3333.33*		*76.2*	*0 - 189*			
Surrogate: 2-Chlorophenol-d4	*2565*		*3333.33*		*76.9*	*23 - 123*			
Surrogate: 2-Fluorobiphenyl	*2577*		*3333.33*		*77.3*	*28 - 128*			
Surrogate: 2-Fluorophenol	*2492*		*3333.33*		*74.8*	*8 - 138*			
Surrogate: 4-Terphenyl-d14	*2649*		*3333.33*		*79.5*	*27 - 154*			
Surrogate: Nitrobenzene-d5	*2706*		*3333.33*		*81.2*	*19 - 129*			
Surrogate: Phenol-d5	*2442*		*3333.33*		*73.3*	*20 - 126*			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0682 - MSSEMI_S (continued)									
Matrix Spike (B5G0682-MS1)		**Source: 1502626-10**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
1,2,4-Trichlorobenzene	2815.00	330	3333.33	ND	84.5	56 - 112			
1,2-Dichlorobenzene	2839.33	330	3333.33	ND	85.2	52 - 105			
1,3-Dichlorobenzene	2837.33	330	3333.33	ND	85.1	51 - 105			
1,4-Dichlorobenzene	2602.33	330	3333.33	ND	78.1	50 - 104			
2,4,5-Trichlorophenol	3836.67	330	3333.33	ND	115	41 - 145			
2,4,6-Trichlorophenol	4411.00	330	3333.33	ND	132	35 - 147			
2,4-Dichlorophenol	4043.67	1600	3333.33	ND	121	50 - 120			M7
2,4-Dimethylphenol	4022.33	330	3333.33	ND	121	56 - 108			M7
2,4-Dinitrophenol	3678.33	1600	3333.33	ND	110	0 - 167			
2,4-Dinitrotoluene	3553.00	330	3333.33	ND	107	60 - 146			
2,6-Dinitrotoluene	3787.33	330	3333.33	ND	114	65 - 138			
2-Chloronaphthalene	3144.00	330	3333.33	ND	94.3	62 - 127			
2-Chlorophenol	3654.33	330	3333.33	ND	110	48 - 112			
2-Methylnaphthalene	3400.33	330	3333.33	ND	102	61 - 120			
2-Methylphenol	3306.67	330	3333.33	ND	99.2	53 - 107			
2-Nitroaniline	4775.33	1600	3333.33	ND	143	53 - 140			M7
2-Nitrophenol	4174.33	330	3333.33	ND	125	43 - 127			
3,3´-Dichlorobenzidine	3729.00	660	3333.33	ND	112	39 - 149			
3-Nitroaniline	3951.67	1600	3333.33	ND	119	47 - 127			
4,6-Dinitro-2-methyphenol	5117.33	1600	3333.33	ND	154	28 - 158			
4-Bromophenyl-phenylether	2992.67	330	3333.33	ND	89.8	67 - 137			
4-Chloro-3-methylphenol	4470.33	660	3333.33	ND	134	38 - 120			M7
4-Chloroaniline	3077.67	660	3333.33	ND	92.3	53 - 104			
4-Chlorophenyl-phenylether	2935.00	330	3333.33	ND	88.1	58 - 143			
4-Methylphenol	3548.33	330	3333.33	ND	106	59 - 116			
4-Nitroaniline	4093.67	1600	3333.33	ND	123	49 - 142			
4-Nitrophenol	5675.33	330	3333.33	ND	170	30 - 155			M7
Acenaphthene	3279.00	330	3333.33	ND	98.4	56 - 116			
Acenaphthylene	3277.00	330	3333.33	ND	98.3	57 - 118			
Anthracene	3655.67	330	3333.33	ND	110	63 - 129			
Benzidine (M)	4158.00	1600	3333.33	ND	125	29 - 127			
Benzo(a)anthracene	3234.00	330	3333.33	ND	97.0	69 - 114			
Benzo(a)pyrene	3463.67	330	3333.33	ND	104	67 - 127			
Benzo(b)fluoranthene	3403.33	330	3333.33	ND	102	68 - 122			
Benzo(g,h,i)perylene	3131.00	330	3333.33	ND	93.9	50 - 138			
Benzo(k)fluoranthene	3139.00	330	3333.33	ND	94.2	60 - 125			
Benzoic acid	1413.00	1600	3333.33	ND	42.4	0 - 215			
Benzyl alcohol	3424.67	660	3333.33	ND	103	54 - 117			
bis(2-chloroethoxy)methane	2609.00	330	3333.33	ND	78.3	54 - 119			
bis(2-Chloroethyl)ether	2590.00	330	3333.33	ND	77.7	41 - 118			
bis(2-chloroisopropyl)ether	3662.33	330	3333.33	ND	110	33 - 123			

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0682 - MSSEMI_S (continued)									
Matrix Spike (B5G0682-MS1) - Continued		**Source: 1502626-10**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
bis(2-ethylhexyl)phthalate	3783.00	330	3333.33	ND	113	53 - 158			
Butylbenzylphthalate	4071.33	330	3333.33	ND	122	53 - 152			
Chrysene	3000.67	330	3333.33	ND	90.0	62 - 113			
Di-n-butylphthalate	3946.67	330	3333.33	ND	118	57 - 158			
Di-n-octylphthalate	4024.33	330	3333.33	ND	121	38 - 166			
Dibenz(a,h)anthracene	3524.33	330	3333.33	ND	106	52 - 142			
Dibenzofuran	3546.67	330	3333.33	ND	106	54 - 134			
Diethyl phthalate	3457.00	330	3333.33	ND	104	61 - 140			
Dimethyl phthalate	3312.33	330	3333.33	ND	99.4	63 - 137			
Fluoranthene	3332.00	330	3333.33	ND	100	55 - 133			
Fluorene	3303.67	330	3333.33	ND	99.1	54 - 131			
Hexachlorobenzene	3048.67	330	3333.33	ND	91.5	65 - 134			
Hexachlorobutadiene	2701.67	660	3333.33	ND	81.1	48 - 114			
Hexachlorocyclopentadiene	3147.67	660	3333.33	ND	94.4	50 - 142			
Hexachloroethane	2911.67	330	3333.33	ND	87.4	43 - 119			
Indeno(1,2,3-cd)pyrene	3669.00	330	3333.33	ND	110	56 - 149			
Isophorone	3286.00	330	3333.33	ND	98.6	56 - 136			
N-Nitroso-di-n propylamine	3048.00	330	3333.33	ND	91.4	47 - 130			
N-Nitrosodiphenylamine	3534.00	330	3333.33	ND	106	70 - 137			
Naphthalene	2844.33	330	3333.33	ND	85.3	54 - 105			
Nitrobenzene	3146.67	330	3333.33	ND	94.4	47 - 130			
Pentachlorophenol	3821.67	1600	3333.33	ND	115	18 - 160			
Phenanthrene	3522.00	330	3333.33	ND	106	50 - 140			
Phenol	3691.33	330	3333.33	ND	111	55 - 112			
Pyrene	3328.00	330	3333.33	ND	99.8	54 - 135			
Pyridine	2231.67	1600	3333.33	ND	67.0	0 - 139			
Surrogate: 1,2-Dichlorobenzene-d4	*2183*		*3333.33*		*65.5*	*24 - 114*			
Surrogate: 2,4,6-Tribromophenol	*2752*		*3333.33*		*82.6*	*0 - 189*			
Surrogate: 2-Chlorophenol-d4	*2630*		*3333.33*		*78.9*	*23 - 123*			
Surrogate: 2-Fluorobiphenyl	*2368*		*3333.33*		*71.0*	*28 - 128*			
Surrogate: 2-Fluorophenol	*2540*		*3333.33*		*76.2*	*8 - 138*			
Surrogate: 4-Terphenyl-d14	*2546*		*3333.33*		*76.4*	*27 - 154*			
Surrogate: Nitrobenzene-d5	*2779*		*3333.33*		*83.4*	*19 - 129*			
Surrogate: Phenol-d5	*2499*		*3333.33*		*75.0*	*20 - 126*			

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/05/2015

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0682 - MSSEMI_S (continued)									
Matrix Spike Dup (B5G0682-MSD1)		**Source: 1502626-10**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
1,2,4-Trichlorobenzene	2511.33	330	3333.33	ND	75.3	56 - 112	11.4	20	
1,2-Dichlorobenzene	2594.67	330	3333.33	ND	77.8	52 - 105	9.01	20	
1,3-Dichlorobenzene	2621.00	330	3333.33	ND	78.6	51 - 105	7.93	20	
1,4-Dichlorobenzene	2370.67	330	3333.33	ND	71.1	50 - 104	9.32	20	
2,4,5-Trichlorophenol	3392.00	330	3333.33	ND	102	41 - 145	12.3	20	
2,4,6-Trichlorophenol	3866.33	330	3333.33	ND	116	35 - 147	13.2	20	
2,4-Dichlorophenol	3658.00	1600	3333.33	ND	110	50 - 120	10.0	20	
2,4-Dimethylphenol	3599.33	330	3333.33	ND	108	56 - 108	11.1	20	
2,4-Dinitrophenol	3257.33	1600	3333.33	ND	97.7	0 - 167	12.1	20	
2,4-Dinitrotoluene	3190.33	330	3333.33	ND	95.7	60 - 146	10.8	20	
2,6-Dinitrotoluene	3319.00	330	3333.33	ND	99.6	65 - 138	13.2	20	
2-Chloronaphthalene	2801.33	330	3333.33	ND	84.0	62 - 127	11.5	20	
2-Chlorophenol	3348.00	330	3333.33	ND	100	48 - 112	8.75	20	
2-Methylnaphthalene	3022.33	330	3333.33	ND	90.7	61 - 120	11.8	20	
2-Methylphenol	3046.67	330	3333.33	ND	91.4	53 - 107	8.18	20	
2-Nitroaniline	4324.67	1600	3333.33	ND	130	53 - 140	9.90	20	
2-Nitrophenol	3833.00	330	3333.33	ND	115	43 - 127	8.53	20	
3,3´-Dichlorobenzidine	3461.67	660	3333.33	ND	104	39 - 149	7.44	20	
3-Nitroaniline	3578.67	1600	3333.33	ND	107	47 - 127	9.91	20	
4,6-Dinitro-2-methyphenol	4639.67	1600	3333.33	ND	139	28 - 158	9.79	20	
4-Bromophenyl-phenylether	2746.67	330	3333.33	ND	82.4	67 - 137	8.57	20	
4-Chloro-3-methylphenol	4023.67	660	3333.33	ND	121	38 - 120	10.5	20	M7
4-Chloroaniline	2741.67	660	3333.33	ND	82.3	53 - 104	11.5	20	
4-Chlorophenyl-phenylether	2574.33	330	3333.33	ND	77.2	58 - 143	13.1	20	
4-Methylphenol	3241.00	330	3333.33	ND	97.2	59 - 116	9.05	20	
4-Nitroaniline	3759.00	1600	3333.33	ND	113	49 - 142	8.52	20	
4-Nitrophenol	5126.00	330	3333.33	ND	154	30 - 155	10.2	20	
Acenaphthene	2900.33	330	3333.33	ND	87.0	56 - 116	12.3	20	
Acenaphthylene	2889.00	330	3333.33	ND	86.7	57 - 118	12.6	20	
Anthracene	3320.00	330	3333.33	ND	99.6	63 - 129	9.62	20	
Benzidine (M)	4397.67	1600	3333.33	ND	132	29 - 127	5.60	20	M7
Benzo(a)anthracene	2911.33	330	3333.33	ND	87.3	69 - 114	10.5	20	
Benzo(a)pyrene	3161.33	330	3333.33	ND	94.8	67 - 127	9.13	20	
Benzo(b)fluoranthene	3077.33	330	3333.33	ND	92.3	68 - 122	10.1	20	
Benzo(g,h,i)perylene	2853.67	330	3333.33	ND	85.6	50 - 138	9.27	20	
Benzo(k)fluoranthene	2891.00	330	3333.33	ND	86.7	60 - 125	8.23	20	
Benzoic acid	1401.67	1600	3333.33	ND	42.1	0 - 215	0.805	20	
Benzyl alcohol	3076.67	660	3333.33	ND	92.3	54 - 117	10.7	20	
bis(2-chloroethoxy)methane	2331.67	330	3333.33	ND	70.0	54 - 119	11.2	20	
bis(2-Chloroethyl)ether	2361.67	330	3333.33	ND	70.9	41 - 118	9.22	20	
bis(2-chloroisopropyl)ether	3351.67	330	3333.33	ND	101	33 - 123	8.86	20	

Certificate of Analysis

Geocon, Inc.	Project Number :	SWEETWATER VISTAS, 08175-06-08
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Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5G0682 - MSSEMI_S (continued)									
Matrix Spike Dup (B5G0682-MSD1) - Continued		**Source: 1502626-10**		Prepared: 7/31/2015 Analyzed: 7/31/2015					
bis(2-ethylhexyl)phthalate	3469.67	330	3333.33	ND	104	53 - 158	8.64	20	
Butylbenzylphthalate	3708.67	330	3333.33	ND	111	53 - 152	9.32	20	
Chrysene	2706.67	330	3333.33	ND	81.2	62 - 113	10.3	20	
Di-n-butylphthalate	3542.33	330	3333.33	ND	106	57 - 158	10.8	20	
Di-n-octylphthalate	3700.67	330	3333.33	ND	111	38 - 166	8.38	20	
Dibenz(a,h)anthracene	3206.67	330	3333.33	ND	96.2	52 - 142	9.44	20	
Dibenzofuran	3140.67	330	3333.33	ND	94.2	54 - 134	12.1	20	
Diethyl phthalate	3082.67	330	3333.33	ND	92.5	61 - 140	11.4	20	
Dimethyl phthalate	2941.33	330	3333.33	ND	88.2	63 - 137	11.9	20	
Fluoranthene	2979.67	330	3333.33	ND	89.4	55 - 133	11.2	20	
Fluorene	2910.67	330	3333.33	ND	87.3	54 - 131	12.6	20	
Hexachlorobenzene	2721.67	330	3333.33	ND	81.7	65 - 134	11.3	20	
Hexachlorobutadiene	2444.00	660	3333.33	ND	73.3	48 - 114	10.0	20	
Hexachlorocyclopentadiene	2798.33	660	3333.33	ND	84.0	50 - 142	11.8	20	
Hexachloroethane	2734.67	330	3333.33	ND	82.0	43 - 119	6.27	20	
Indeno(1,2,3-cd)pyrene	3365.67	330	3333.33	ND	101	56 - 149	8.62	20	
Isophorone	2936.67	330	3333.33	ND	88.1	56 - 136	11.2	20	
N-Nitroso-di-n propylamine	2749.33	330	3333.33	ND	82.5	47 - 130	10.3	20	
N-Nitrosodiphenylamine	3177.00	330	3333.33	ND	95.3	70 - 137	10.6	20	
Naphthalene	2587.00	330	3333.33	ND	77.6	54 - 105	9.48	20	
Nitrobenzene	2826.00	330	3333.33	ND	84.8	47 - 130	10.7	20	
Pentachlorophenol	3542.33	1600	3333.33	ND	106	18 - 160	7.59	20	
Phenanthrene	3149.33	330	3333.33	ND	94.5	50 - 140	11.2	20	
Phenol	3382.33	330	3333.33	ND	101	55 - 112	8.74	20	
Pyrene	3014.67	330	3333.33	ND	90.4	54 - 135	9.88	20	
Pyridine	2061.33	1600	3333.33	ND	61.8	0 - 139	7.94	20	
Surrogate: 1,2-Dichlorobenzene-d4	*2184*		*3333.33*		*65.5*	*24 - 114*			
Surrogate: 2,4,6-Tribromophenol	*2492*		*3333.33*		*74.8*	*0 - 189*			
Surrogate: 2-Chlorophenol-d4	*2472*		*3333.33*		*74.2*	*23 - 123*			
Surrogate: 2-Fluorobiphenyl	*2291*		*3333.33*		*68.7*	*28 - 128*			
Surrogate: 2-Fluorophenol	*2394*		*3333.33*		*71.8*	*8 - 138*			
Surrogate: 4-Terphenyl-d14	*2408*		*3333.33*		*72.2*	*27 - 154*			
Surrogate: Nitrobenzene-d5	*2617*		*3333.33*		*78.5*	*19 - 129*			
Surrogate: Phenol-d5	*2362*		*3333.33*		*70.9*	*20 - 126*			

Certificate of Analysis

Geocon, Inc.		Project Number :	SWEETWATER VISTAS, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/05/2015

Notes and Definitions

R3	RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS).
R	RPD value outside acceptance criteria. Calculation is based on raw values.
M7	Matrix spike was high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
M1	Matrix spike recovery outside of acceptance limit. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
D5	Sample diluted due to failing internal standard in the original run.
D1	Sample required dilution due to possible matrix interference.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 2

Instruction: Complete all shaded areas.

For Laboratory Use Only — ATLCOC Ver: 20130715

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
☐ Client ☒ ATL	1. CHILLED	☑	☐	5. # OF SAMPLES MATCH COC	☑	☐
☐ FedEx ☐ OnTrac	2. HEADSPACE (VOA)	☐	☐	6. PRESERVED	☐	☑
☐ GSO	3. CONTAINER INTACT	☑	☐	7. COOLER TEMP, deg C:	2.5	
☐ Other: _____	4. SEALED	☐	☑			

CUSTOMER

Company: Geocon, Inc.
Address: 6960 Flanders Drive
City: San Diego State: CA Zip: 92121
Tel: (858) 558-6100
Fax: (858) 558-8437

SEND REPORT TO:
Attn: B. EASTMAN Email: eastman@geoconinc.com
Company: Geocon, Inc.
Address: 6960 Flanders Drive
City: San Diego State: CA Zip: 92121

SEND INVOICE TO: ☒ same as SEND REPORT TO
Attn: Email:
Company:
Address:
City: State: Zip:

PROJECT SAMPLES

Project Name: SWEETWATER VISTAS
Project No.: 08175-06-08
Sampler: J. LAYOG
Quote No:
PO #:
Special Instructions/Comments: PLEASE USE REDUCED RATE SCHEDULE

Encircle or Write Requested Analysis: 8260 / 624 (Volatiles); 8015B(GRO); 8015B(DRO)/DRO; 8270(Semi-volatiles); 8081(Organochlorine Pesticides); 8082(PCBs); 6010 / 7000(Title 22 Metals); TO-15

Encircle Sample Matrix: SOIL / SEDIMENT / SLUDGE; SOLIDS / WIPE / FILTER; WATER - DRINKING / GROUND; WATER - STORM / WASTE; AQUEOUS / LAYERED - OIL

Container: # ; Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7 = Canister; Material: 1=Glass; 2=Plastic; 3=Metal; Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4 = 4C; 5=Zn (Ac)2; 6=NaOH; 7=NAA2S2O3

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV

ITEM	Lab No.	Sample Description: Sample ID / Location	Date	Time	8260 / 624 (Volatiles)	8015B(GRO)	8015B(DRO)/DRO	8270(Semi-volatiles)	8081(Organochlorine Pesticides)	8082(PCBs)	6010 / 7000(Title 22 Metals)	TO-15	SOIL / SEDIMENT / SLUDGE	SOLIDS / WIPE / FILTER	WATER - DRINKING / GROUND	WATER - STORM / WASTE	AQUEOUS / LAYERED - OIL	TAT	#	Type	Material	Preservative	REMARKS
1	1502626 -1	B-6/5'	7/29/15	0937	X	X	X	X	X	X	X		X					5	1	1	3	4	
2	-2	B-6/10'		0947	X	X	X	X	X	X	X		X										
3	-3	B-6/20'		1018	X	X	X	X	X	X	X		X										
4	-4	B-6/25'		1038	X	X	X	X	X	X	X		X										
5	-5	B-10/5'		1150	X	X	X	X	X	X	X		X										
6	-6	B-10/20'		1251	X	X	X	X	X	X	X		X										
7	-7	B-10/30'		1350	X	X	X	X	X	X	X		X										
8	-8	B-10/32'		1401	X	X	X	X	X	X	X		X										
9	-9	B-11/5'		1523	X	X	X	X	X	X	X		X										
10	-10	B-11/15'		1600	X	X	X	X	X	X	X		X										

CUSTODY TERMS

1. Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.
2. Samples Submitted AFTER 3:00 PM, are considered received the following Business day at 8:00 AM.
3. The following turnaround time conditions apply:
   - TAT = 0 : 300% Surcharge SAME BUSINESS DAY if received by 9:00 AM
   - TAT = 1 : 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)
   - TAT = 2 : 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)
   - TAT = 3 : 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)
   - TAT = 4 : 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)
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5. Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract lab — ask for quote.
6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days after receipt of samples.
7. Electronic records maintained for five (5) years from report date.
8. Hard copy reports will be disposed of after 45 calendar days from report date.
9. Storage and Report Fees:
   - Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; $2/sample/month if extended storage or hold is requested.
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   - Hard copy and regenerated reports/EDDs: $17.50 per hard copy report requested; $50.00 per regenerated/reformatted report; $35 per reprocessed EDD.
10. Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction on procedure.
11. Unanalyzed samples will incur a disposal fee of $7 per sample.

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

B. EASTMAN
Submitter Print Name — Signature

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
JON LAYOG	7/29/15	11:24	B. EASTMAN	7/29/15	1127
B. EASTMAN	7-29-15		Edward Rodriguez	7-29-15	1400
Edward Rodriguez	7-29-15	1605	FEDEX	7/29/15	1605

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 2 of 2

Instruction: Complete all shaded areas.

For Laboratory Use Only — ATLCOC Ver: 20130715

Method of Transport	Sample Conditions Upon Receipt: Condition	Y	N	Condition	Y	N
☐ Client ☒ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other:	1. CHILLED	☑	☐	5. # OF SAMPLES MATCH COC	☑	☐
	2. HEADSPACE (VOA)	☐	☐	6. PRESERVED	☐	☑
	3. CONTAINER INTACT	☑	☐	7. COOLER TEMP, deg C: 5.5		
	4. SEALED	☐	☑			

CUSTOMER

Company: Geocon, Inc.
Address: 6960 Flanders Drive
City: San Diego State: CA Zip: 92121
Tel: (858) 558-6100
Fax: (858) 558-8437

SEND REPORT TO:
Attn: B. EASTMAN Email: eastman@geoconinc.com
Company: Geocon, Inc.
Address: 6960 Flanders Drive
City: San Diego State: CA Zip: 92121

SEND INVOICE TO: ☒ same as SEND REPORT TO
Attn: Email:
Company:
Address:
City: State: Zip:

PROJECT SAMPLES

Project Name: SWEETWATER VISTAS
Project No.: 08175-06-08
Sampler: J. LAYOG
Quote No:
PO #:
Special Instructions/Comments: PLEASE USE REDUCED RATE SCHEDULE

Encircle or Write Requested Analysis: 8260 / 624 (Volatiles); 8015B(GRO); 8015B(DRO) / DRO; 8270(Semi-volatiles); 8081(Organochlorine Pesticides); 8082(PCBs); 6010 / 7000(Title 22 Metals); TO-15

Encircle Sample Matrix: SOIL / SEDIMENT / SLUDGE; SOLIDS / WIPE/ FILTER; WATER - DRINKING / GROUND; WATER - STORM / WASTE; AQUEOUS / LAYERED - OIL

Container: # ; Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister; Material: 1=Glass; 2=Plastic; 3=Metal; Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=Zn (Ac)2; 6=NaOH; 7=NA2S2O3

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV

ITEM	Lab No.	Sample ID / Location	Date	Time	8260 / 624	8015B(GRO)	8015B(DRO) / DRO	8270	8081	8082	6010 / 7000	TO-15	SOIL / SEDIMENT / SLUDGE	SOLIDS / WIPE/ FILTER	WATER - DRINKING / GROUND	WATER - STORM / WASTE	AQUEOUS / LAYERED - OIL	TAT	#	Type	Material	Preservative	REMARKS
1	1502626-11	B-11/20'	7/28/15	0802	X	X	X	X	X	X	X		X					5	1	1	3	4	
2	-12	B-11/30'		0832	X	X	X	X	X	X	X		X										
3	-13	B-11/35'		0914	X	X	X	X	X	X	X		X										
4	-14	B-11/45'		1001	X	X	X	X	X	X	X		X										
5	-15	B-12/5'		1247	X	X	X	X	X	X	X		X										
6	-16	B-12/15'		1309	X	X	X	X	X	X	X		X										
7	-17	B-12/25'		1333	X	X	X	X	X	X	X		X										
8	-18	B-12/35'		1408	X	X	X	X	X	X	X		X										
9	-19	B-13/5'		1504	X	X	X	X	X	X	X		X										
10																							

TERMS

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B. EASTMAN
Submitter Print Name — Signature

CUSTODY

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Jon Layog	7/29/15	11:24	B. EASTMAN	7/29/15	1127
B. EASTMAN	7-29-15		Edward Rodriguez	7-29-15	1400
Edward Rodriguez	7-29-15	1605	Edward Rodriguez	7/29/15	1605

ADVANCED TECHNOLOGY LABORATORIES

August 13, 2015

Ben Eastman
Geocon, Inc.
6960 Flanders Drive
San Diego, CA 92121
Tel: (858) 558-6100
Fax:(858) 558-8437

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

Re: ATL Work Order Number : 1502716
Client Reference : Sweetwater Vistas, 08175-06-08

Enclosed are the results for sample(s) received on August 06, 2015 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1-1.0'	1502716-01	Soil	8/05/15 9:55	8/06/15 11:28
B1-2.0'	1502716-02	Soil	8/05/15 10:00	8/06/15 11:28
B1-3.0'	1502716-03	Soil	8/05/15 10:05	8/06/15 11:28
B2-1.0'	1502716-04	Soil	8/05/15 10:40	8/06/15 11:28
B2-2.0'	1502716-05	Soil	8/05/15 10:43	8/06/15 11:28
B3-1.0'	1502716-06	Soil	8/05/15 11:15	8/06/15 11:28
B3-2.0'	1502716-07	Soil	8/05/15 11:18	8/06/15 11:28
B3-4.0'	1502716-08	Soil	8/05/15 11:20	8/06/15 11:28
B4-1.0'	1502716-09	Soil	8/05/15 11:45	8/06/15 11:28
B4-2.0'	1502716-10	Soil	8/05/15 11:50	8/06/15 11:28
B5-1.0'	1502716-11	Soil	8/05/15 9:25	8/06/15 11:28
B5-2.0'	1502716-12	Soil	8/05/15 9:30	8/06/15 11:28
B6-1.0'	1502716-13	Soil	8/05/15 9:00	8/06/15 11:28
B6-3.0'	1502716-14	Soil	8/05/15 9:10	8/06/15 11:28
B6-5.0'	1502716-15	Soil	8/05/15 9:15	8/06/15 11:28
B2-4.0'	1502716-16	Soil	8/05/15 10:45	8/06/15 11:28

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Client Sample ID B1-1.0'
Lab ID: 1502716-01

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0294	08/12/2015	08/13/15 10:24	
Arsenic	**13**	1.0	1	B5H0294	08/12/2015	08/13/15 10:24	
Barium	**2.7**	1.0	1	B5H0294	08/12/2015	08/13/15 10:24	
Beryllium	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:24	
Cadmium	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:24	
Chromium	**1.0**	1.0	1	B5H0294	08/12/2015	08/13/15 10:24	
Cobalt	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:24	
Copper	**2.9**	2.0	1	B5H0294	08/12/2015	08/13/15 10:24	
Lead	**5.1**	1.0	1	B5H0294	08/12/2015	08/13/15 10:24	
Molybdenum	**2.0**	1.0	1	B5H0294	08/12/2015	08/13/15 10:24	
Nickel	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:24	
Selenium	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:24	
Silver	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:24	
Thallium	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:24	
Vanadium	**2.6**	1.0	1	B5H0294	08/12/2015	08/13/15 10:24	
Zinc	**12**	1.0	1	B5H0294	08/12/2015	08/13/15 10:24	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 12:45	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0214	08/05/2015	08/10/15 16:04	
Surrogate: 4-Bromofluorobenzene	*105 %*	*37 - 153*		B5H0214	08/05/2015	*08/10/15 16:04*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5H0226	08/10/2015	08/10/15 19:02	
ORO	ND	10	1	B5H0226	08/10/2015	08/10/15 19:02	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B1-1.0'
Lab ID: 1502716-01

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*83.1 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 19:02*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 11:03	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B1-1.0'
Lab ID: 1502716-01

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 11:03	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 11:03	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 11:03	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 11:03	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 11:03	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B1-1.0'

Lab ID: 1502716-01

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl chloride		ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:03	
Surrogate: 1,2-Dichloroethane-d4	*76.0 %*		*20 - 189*		B5H0197	08/10/2015	*08/10/15 11:03*	
Surrogate: 4-Bromofluorobenzene	*111 %*		*20 - 173*		B5H0197	08/10/2015	*08/10/15 11:03*	
Surrogate: Dibromofluoromethane	*94.9 %*		*26 - 178*		B5H0197	08/10/2015	*08/10/15 11:03*	
Surrogate: Toluene-d8	*89.1 %*		*31 - 166*		B5H0197	08/10/2015	*08/10/15 11:03*	

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Client Sample ID B1-2.0'
Lab ID: 1502716-02

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0294	08/12/2015	08/13/15 10:25	
Arsenic	**14**	1.0	1	B5H0294	08/12/2015	08/13/15 10:25	
Barium	**4.5**	1.0	1	B5H0294	08/12/2015	08/13/15 10:25	
Beryllium	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:25	
Cadmium	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:25	
Chromium	**1.0**	1.0	1	B5H0294	08/12/2015	08/13/15 10:25	
Cobalt	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:25	
Copper	**3.1**	2.0	1	B5H0294	08/12/2015	08/13/15 10:25	
Lead	**2.6**	1.0	1	B5H0294	08/12/2015	08/13/15 10:25	
Molybdenum	**2.7**	1.0	1	B5H0294	08/12/2015	08/13/15 10:25	
Nickel	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:25	
Selenium	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:25	
Silver	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:25	
Thallium	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:25	
Vanadium	**2.9**	1.0	1	B5H0294	08/12/2015	08/13/15 10:25	
Zinc	**14**	1.0	1	B5H0294	08/12/2015	08/13/15 10:25	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 12:53	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0214	08/05/2015	08/10/15 16:19	
Surrogate: 4-Bromofluorobenzene	*99.0 %*	*37 - 153*		B5H0214	08/05/2015	*08/10/15 16:19*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5H0226	08/10/2015	08/10/15 19:19	
ORO	ND	10	1	B5H0226	08/10/2015	08/10/15 19:19	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B1-2.0'
Lab ID: 1502716-02

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*100 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 19:19*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 11:21	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B1-2.0'

Lab ID: 1502716-02

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 11:21	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 11:21	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 11:21	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 11:21	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 11:21	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B1-2.0'

Lab ID: 1502716-02

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:21	
Surrogate: 1,2-Dichloroethane-d4	*74.5 %*	*20 - 189*		B5H0197	08/10/2015	*08/10/15 11:21*	
Surrogate: 4-Bromofluorobenzene	*112 %*	*20 - 173*		B5H0197	08/10/2015	*08/10/15 11:21*	
Surrogate: Dibromofluoromethane	*91.2 %*	*26 - 178*		B5H0197	08/10/2015	*08/10/15 11:21*	
Surrogate: Toluene-d8	*87.5 %*	*31 - 166*		B5H0197	08/10/2015	*08/10/15 11:21*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B1-3.0'
Lab ID: 1502716-03

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B5H0294	08/12/2015	08/13/15 10:31	
Arsenic	**14**	1.0	1	B5H0294	08/12/2015	08/13/15 10:31	
Barium	**3.6**	1.0	1	B5H0294	08/12/2015	08/13/15 10:31	
Beryllium	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:31	
Cadmium	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:31	
Chromium	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:31	
Cobalt	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:31	
Copper	**4.0**	2.0	1	B5H0294	08/12/2015	08/13/15 10:31	
Lead	**3.1**	1.0	1	B5H0294	08/12/2015	08/13/15 10:31	
Molybdenum	**2.9**	1.0	1	B5H0294	08/12/2015	08/13/15 10:31	
Nickel	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:31	
Selenium	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:31	
Silver	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:31	
Thallium	ND	1.0	1	B5H0294	08/12/2015	08/13/15 10:31	
Vanadium	**4.1**	1.0	1	B5H0294	08/12/2015	08/13/15 10:31	
Zinc	**18**	1.0	1	B5H0294	08/12/2015	08/13/15 10:31	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 12:56	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0214	08/05/2015	08/10/15 16:35	
Surrogate: 4-Bromofluorobenzene	*86.2 %*	*37 - 153*		B5H0214	08/05/2015	*08/10/15 16:35*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5H0226	08/10/2015	08/10/15 19:36	
ORO	ND	10	1	B5H0226	08/10/2015	08/10/15 19:36	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B1-3.0'
Lab ID: 1502716-03

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*73.3 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 19:36*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 11:40	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B1-3.0'

Lab ID: 1502716-03

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 11:40	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 11:40	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 11:40	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 11:40	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 11:40	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B1-3.0'

Lab ID: 1502716-03

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:40	
Surrogate: 1,2-Dichloroethane-d4	*75.1 %*	*20 - 189*		B5H0197	08/10/2015	*08/10/15 11:40*	
Surrogate: 4-Bromofluorobenzene	*112 %*	*20 - 173*		B5H0197	08/10/2015	*08/10/15 11:40*	
Surrogate: Dibromofluoromethane	*91.5 %*	*26 - 178*		B5H0197	08/10/2015	*08/10/15 11:40*	
Surrogate: Toluene-d8	*88.1 %*	*31 - 166*		B5H0197	08/10/2015	*08/10/15 11:40*	

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Client Sample ID B2-1.0'
Lab ID: 1502716-04

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	10	5	B5H0294	08/12/2015	08/13/15 10:45	D5
Arsenic	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:45	D5
Barium	**13**	5.0	5	B5H0294	08/12/2015	08/13/15 10:45	D5
Beryllium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:45	D5
Cadmium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:45	D5
Chromium	**5.2**	5.0	5	B5H0294	08/12/2015	08/13/15 10:45	D5
Cobalt	**5.3**	5.0	5	B5H0294	08/12/2015	08/13/15 10:45	D5
Copper	ND	10	5	B5H0294	08/12/2015	08/13/15 10:45	D5
Lead	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:45	D5
Molybdenum	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:45	D5
Nickel	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:45	D5
Selenium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:45	D5
Silver	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:45	D5
Thallium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:45	D5
Vanadium	**17**	5.0	5	B5H0294	08/12/2015	08/13/15 10:45	D5
Zinc	**70**	5.0	5	B5H0294	08/12/2015	08/13/15 10:45	D5

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 12:58	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0214	08/05/2015	08/10/15 16:51	
Surrogate: 4-Bromofluorobenzene	*99.2 %*	*37 - 153*		B5H0214	08/05/2015	*08/10/15 16:51*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5H0226	08/10/2015	08/10/15 19:53	
ORO	ND	10	1	B5H0226	08/10/2015	08/10/15 19:53	
Surrogate: p-Terphenyl	*77.3 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 19:53*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B2-1.0'

Lab ID: 1502716-04

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 11:59	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B2-1.0'
Lab ID: 1502716-04

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 11:59	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 11:59	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 11:59	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 11:59	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 11:59	
Vinyl chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 11:59	
Surrogate: 1,2-Dichloroethane-d4	*73.4 %*	*20 - 189*		B5H0197	08/10/2015	*08/10/15 11:59*	
Surrogate: 4-Bromofluorobenzene	*113 %*	*20 - 173*		B5H0197	08/10/2015	*08/10/15 11:59*	
Surrogate: Dibromofluoromethane	*92.2 %*	*26 - 178*		B5H0197	08/10/2015	*08/10/15 11:59*	
Surrogate: Toluene-d8	*88.6 %*	*31 - 166*		B5H0197	08/10/2015	*08/10/15 11:59*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B2-2.0'
Lab ID: 1502716-05

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	10	5	B5H0294	08/12/2015	08/13/15 10:47	D5
Arsenic	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:47	D5
Barium	**16**	5.0	5	B5H0294	08/12/2015	08/13/15 10:47	D5
Beryllium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:47	D5
Cadmium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:47	D5
Chromium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:47	D5
Cobalt	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:47	D5
Copper	ND	10	5	B5H0294	08/12/2015	08/13/15 10:47	D5
Lead	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:47	D5
Molybdenum	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:47	D5
Nickel	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:47	D5
Selenium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:47	D5
Silver	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:47	D5
Thallium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:47	D5
Vanadium	**15**	5.0	5	B5H0294	08/12/2015	08/13/15 10:47	D5
Zinc	**66**	5.0	5	B5H0294	08/12/2015	08/13/15 10:47	D5

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 13:00	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0214	08/05/2015	08/10/15 17:07	
Surrogate: 4-Bromofluorobenzene	*102 %*	*37 - 153*		B5H0214	08/05/2015	*08/10/15 17:07*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5H0226	08/10/2015	08/10/15 20:11	
ORO	ND	10	1	B5H0226	08/10/2015	08/10/15 20:11	
Surrogate: p-Terphenyl	*85.9 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 20:11*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B2-2.0'
Lab ID: 1502716-05

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 12:18	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B2-2.0'
Lab ID: 1502716-05

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 12:18	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 12:18	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 12:18	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 12:18	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 12:18	
Vinyl chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:18	
Surrogate: 1,2-Dichloroethane-d4	*77.2 %*	*20 - 189*		B5H0197	08/10/2015	*08/10/15 12:18*	
Surrogate: 4-Bromofluorobenzene	*111 %*	*20 - 173*		B5H0197	08/10/2015	*08/10/15 12:18*	
Surrogate: Dibromofluoromethane	*92.4 %*	*26 - 178*		B5H0197	08/10/2015	*08/10/15 12:18*	
Surrogate: Toluene-d8	*86.9 %*	*31 - 166*		B5H0197	08/10/2015	*08/10/15 12:18*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B3-1.0'
Lab ID: 1502716-06

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	20	10	B5H0294	08/12/2015	08/13/15 10:53	D5
Arsenic	ND	10	10	B5H0294	08/12/2015	08/13/15 10:53	D5
Barium	**19**	10	10	B5H0294	08/12/2015	08/13/15 10:53	D5
Beryllium	ND	10	10	B5H0294	08/12/2015	08/13/15 10:53	D5
Cadmium	ND	10	10	B5H0294	08/12/2015	08/13/15 10:53	D5
Chromium	ND	10	10	B5H0294	08/12/2015	08/13/15 10:53	D5
Cobalt	ND	10	10	B5H0294	08/12/2015	08/13/15 10:53	D5
Copper	ND	20	10	B5H0294	08/12/2015	08/13/15 10:53	D5
Lead	ND	10	10	B5H0294	08/12/2015	08/13/15 10:53	D5
Molybdenum	ND	10	10	B5H0294	08/12/2015	08/13/15 10:53	D5
Nickel	ND	10	10	B5H0294	08/12/2015	08/13/15 10:53	D5
Selenium	ND	10	10	B5H0294	08/12/2015	08/13/15 10:53	D5
Silver	ND	10	10	B5H0294	08/12/2015	08/13/15 10:53	D5
Thallium	ND	10	10	B5H0294	08/12/2015	08/13/15 10:53	D5
Vanadium	ND	10	10	B5H0294	08/12/2015	08/13/15 10:53	D5
Zinc	**30**	10	10	B5H0294	08/12/2015	08/13/15 10:53	D5

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 13:06	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0214	08/05/2015	08/10/15 17:23	
Surrogate: 4-Bromofluorobenzene	*102 %*	*37 - 153*		B5H0214	08/05/2015	*08/10/15 17:23*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5H0226	08/10/2015	08/10/15 20:28	
ORO	ND	10	1	B5H0226	08/10/2015	08/10/15 20:28	
Surrogate: p-Terphenyl	*83.0 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 20:28*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B3-1.0'

Lab ID: 1502716-06

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 12:36	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Client Sample ID B3-1.0'
Lab ID: 1502716-06

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 12:36	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 12:36	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 12:36	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 12:36	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 12:36	
Vinyl chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:36	
Surrogate: 1,2-Dichloroethane-d4	*78.6 %*	*20 - 189*		B5H0197	08/10/2015	*08/10/15 12:36*	
Surrogate: 4-Bromofluorobenzene	*112 %*	*20 - 173*		B5H0197	08/10/2015	*08/10/15 12:36*	
Surrogate: Dibromofluoromethane	*93.8 %*	*26 - 178*		B5H0197	08/10/2015	*08/10/15 12:36*	
Surrogate: Toluene-d8	*89.4 %*	*31 - 166*		B5H0197	08/10/2015	*08/10/15 12:36*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B3-2.0'
Lab ID: 1502716-07

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	10	5	B5H0294	08/12/2015	08/13/15 10:56	D5
Arsenic	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:56	D5
Barium	**11**	5.0	5	B5H0294	08/12/2015	08/13/15 10:56	D5
Beryllium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:56	D5
Cadmium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:56	D5
Chromium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:56	D5
Cobalt	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:56	D5
Copper	ND	10	5	B5H0294	08/12/2015	08/13/15 10:56	D5
Lead	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:56	D5
Molybdenum	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:56	D5
Nickel	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:56	D5
Selenium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:56	D5
Silver	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:56	D5
Thallium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:56	D5
Vanadium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:56	D5
Zinc	**26**	5.0	5	B5H0294	08/12/2015	08/13/15 10:56	D5

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 13:08	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0214	08/05/2015	08/10/15 17:38	
Surrogate: 4-Bromofluorobenzene	*100 %*	*37 - 153*		B5H0214	08/05/2015	*08/10/15 17:38*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5H0226	08/10/2015	08/10/15 20:45	
ORO	ND	10	1	B5H0226	08/10/2015	08/10/15 20:45	
Surrogate: p-Terphenyl	*85.4 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 20:45*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B3-2.0'
Lab ID: 1502716-07

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 12:55	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Client Sample ID B3-2.0'
Lab ID: 1502716-07

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 12:55	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 12:55	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 12:55	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 12:55	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 12:55	
Vinyl chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 12:55	
Surrogate: 1,2-Dichloroethane-d4	*77.3 %*	*20 - 189*		B5H0197	08/10/2015	*08/10/15 12:55*	
Surrogate: 4-Bromofluorobenzene	*114 %*	*20 - 173*		B5H0197	08/10/2015	*08/10/15 12:55*	
Surrogate: Dibromofluoromethane	*93.8 %*	*26 - 178*		B5H0197	08/10/2015	*08/10/15 12:55*	
Surrogate: Toluene-d8	*87.9 %*	*31 - 166*		B5H0197	08/10/2015	*08/10/15 12:55*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B3-4.0'
Lab ID: 1502716-08

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	10	5	B5H0294	08/12/2015	08/13/15 10:58	D5
Arsenic	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:58	D5
Barium	**16**	5.0	5	B5H0294	08/12/2015	08/13/15 10:58	D5
Beryllium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:58	D5
Cadmium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:58	D5
Chromium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:58	D5
Cobalt	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:58	D5
Copper	ND	10	5	B5H0294	08/12/2015	08/13/15 10:58	D5
Lead	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:58	D5
Molybdenum	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:58	D5
Nickel	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:58	D5
Selenium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:58	D5
Silver	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:58	D5
Thallium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:58	D5
Vanadium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 10:58	D5
Zinc	**29**	5.0	5	B5H0294	08/12/2015	08/13/15 10:58	D5

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 13:10	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0270	08/05/2015	08/11/15 20:25	
Surrogate: 4-Bromofluorobenzene	*107 %*	*37 - 153*		B5H0270	08/05/2015	*08/11/15 20:25*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5H0226	08/10/2015	08/10/15 21:03	
ORO	ND	10	1	B5H0226	08/10/2015	08/10/15 21:03	
Surrogate: p-Terphenyl	*74.8 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 21:03*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B3-4.0'
Lab ID: 1502716-08

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 13:14	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B3-4.0'
Lab ID: 1502716-08

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 13:14	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 13:14	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 13:14	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 13:14	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 13:14	
Vinyl chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:14	
Surrogate: 1,2-Dichloroethane-d4	*76.5 %*	*20 - 189*		B5H0197	08/10/2015	*08/10/15 13:14*	
Surrogate: 4-Bromofluorobenzene	*111 %*	*20 - 173*		B5H0197	08/10/2015	*08/10/15 13:14*	
Surrogate: Dibromofluoromethane	*97.4 %*	*26 - 178*		B5H0197	08/10/2015	*08/10/15 13:14*	
Surrogate: Toluene-d8	*89.3 %*	*31 - 166*		B5H0197	08/10/2015	*08/10/15 13:14*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B4-1.0'
Lab ID: 1502716-09

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	20	10	B5H0294	08/12/2015	08/13/15 11:00	D5
Arsenic	ND	10	10	B5H0294	08/12/2015	08/13/15 11:00	D5
Barium	ND	10	10	B5H0294	08/12/2015	08/13/15 11:00	D5
Beryllium	ND	10	10	B5H0294	08/12/2015	08/13/15 11:00	D5
Cadmium	ND	10	10	B5H0294	08/12/2015	08/13/15 11:00	D5
Chromium	ND	10	10	B5H0294	08/12/2015	08/13/15 11:00	D5
Cobalt	ND	10	10	B5H0294	08/12/2015	08/13/15 11:00	D5
Copper	ND	20	10	B5H0294	08/12/2015	08/13/15 11:00	D5
Lead	ND	10	10	B5H0294	08/12/2015	08/13/15 11:00	D5
Molybdenum	ND	10	10	B5H0294	08/12/2015	08/13/15 11:00	D5
Nickel	ND	10	10	B5H0294	08/12/2015	08/13/15 11:00	D5
Selenium	ND	10	10	B5H0294	08/12/2015	08/13/15 11:00	D5
Silver	ND	10	10	B5H0294	08/12/2015	08/13/15 11:00	D5
Thallium	ND	10	10	B5H0294	08/12/2015	08/13/15 11:00	D5
Vanadium	ND	10	10	B5H0294	08/12/2015	08/13/15 11:00	D5
Zinc	**22**	10	10	B5H0294	08/12/2015	08/13/15 11:00	D5

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 13:12	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0270	08/05/2015	08/11/15 20:41	
Surrogate: 4-Bromofluorobenzene	*105 %*	*37 - 153*		B5H0270	08/05/2015	*08/11/15 20:41*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5H0226	08/10/2015	08/10/15 21:20	
ORO	ND	10	1	B5H0226	08/10/2015	08/10/15 21:20	
Surrogate: p-Terphenyl	*77.3 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 21:20*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B4-1.0'
Lab ID: 1502716-09

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 13:32	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Client Sample ID B4-1.0'

Lab ID: 1502716-09

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 13:32	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 13:32	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 13:32	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 13:32	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 13:32	
Vinyl chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:32	
Surrogate: 1,2-Dichloroethane-d4	*83.4 %*	*20 - 189*		B5H0197	08/10/2015	*08/10/15 13:32*	
Surrogate: 4-Bromofluorobenzene	*112 %*	*20 - 173*		B5H0197	08/10/2015	*08/10/15 13:32*	
Surrogate: Dibromofluoromethane	*97.1 %*	*26 - 178*		B5H0197	08/10/2015	*08/10/15 13:32*	
Surrogate: Toluene-d8	*88.3 %*	*31 - 166*		B5H0197	08/10/2015	*08/10/15 13:32*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B4-2.0'
Lab ID: 1502716-10

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	10	5	B5H0294	08/12/2015	08/13/15 11:02	D5
Arsenic	ND	5.0	5	B5H0294	08/12/2015	08/13/15 11:02	D5
Barium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 11:02	D5
Beryllium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 11:02	D5
Cadmium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 11:02	D5
Chromium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 11:02	D5
Cobalt	ND	5.0	5	B5H0294	08/12/2015	08/13/15 11:02	D5
Copper	ND	10	5	B5H0294	08/12/2015	08/13/15 11:02	D5
Lead	ND	5.0	5	B5H0294	08/12/2015	08/13/15 11:02	D5
Molybdenum	ND	5.0	5	B5H0294	08/12/2015	08/13/15 11:02	D5
Nickel	ND	5.0	5	B5H0294	08/12/2015	08/13/15 11:02	D5
Selenium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 11:02	D5
Silver	ND	5.0	5	B5H0294	08/12/2015	08/13/15 11:02	D5
Thallium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 11:02	D5
Vanadium	ND	5.0	5	B5H0294	08/12/2015	08/13/15 11:02	D5
Zinc	**12**	5.0	5	B5H0294	08/12/2015	08/13/15 11:02	D5

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 13:14	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0214	08/05/2015	08/10/15 11:48	
Surrogate: 4-Bromofluorobenzene	*102 %*	*37 - 153*		B5H0214	08/05/2015	*08/10/15 11:48*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5H0226	08/10/2015	08/10/15 21:37	
ORO	ND	10	1	B5H0226	08/10/2015	08/10/15 21:37	
Surrogate: p-Terphenyl	*74.4 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 21:37*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B4-2.0'
Lab ID: 1502716-10

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 10:44	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Client Sample ID B4-2.0'
Lab ID: 1502716-10

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 10:44	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 10:44	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 10:44	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 10:44	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 10:44	
Vinyl chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 10:44	
Surrogate: 1,2-Dichloroethane-d4	*78.9 %*	*20 - 189*		B5H0197	08/10/2015	*08/10/15 10:44*	
Surrogate: 4-Bromofluorobenzene	*114 %*	*20 - 173*		B5H0197	08/10/2015	*08/10/15 10:44*	
Surrogate: Dibromofluoromethane	*91.9 %*	*26 - 178*		B5H0197	08/10/2015	*08/10/15 10:44*	
Surrogate: Toluene-d8	*88.3 %*	*31 - 166*		B5H0197	08/10/2015	*08/10/15 10:44*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B5-1.0'
Lab ID: 1502716-11

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	10	5	B5H0295	08/12/2015	08/13/15 09:56	D5
Arsenic	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:56	D5
Barium	**350**	5.0	5	B5H0295	08/12/2015	08/13/15 09:55	D5
Beryllium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:55	D5
Cadmium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:56	D5
Chromium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:55	D5
Cobalt	**6.7**	5.0	5	B5H0295	08/12/2015	08/13/15 09:56	D5
Copper	ND	10	5	B5H0295	08/12/2015	08/13/15 09:55	D5
Lead	**16**	5.0	5	B5H0295	08/12/2015	08/13/15 09:56	D5
Molybdenum	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:56	D5
Nickel	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:56	D5
Selenium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:56	D5
Silver	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:55	D5
Thallium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:56	D5
Vanadium	**7.0**	5.0	5	B5H0295	08/12/2015	08/13/15 09:55	D5
Zinc	**47**	5.0	5	B5H0295	08/12/2015	08/13/15 09:55	D5

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 13:16	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0270	08/05/2015	08/11/15 20:57	
Surrogate: 4-Bromofluorobenzene	*106 %*	*37 - 153*		B5H0270	08/05/2015	*08/11/15 20:57*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5H0226	08/10/2015	08/10/15 21:54	
ORO	ND	10	1	B5H0226	08/10/2015	08/10/15 21:54	
Surrogate: p-Terphenyl	*82.1 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 21:54*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B5-1.0'
Lab ID: 1502716-11

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 13:51	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Client Sample ID B5-1.0'
Lab ID: 1502716-11

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 13:51	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 13:51	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 13:51	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 13:51	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 13:51	
Vinyl chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 13:51	
Surrogate: 1,2-Dichloroethane-d4	*77.7 %*	*20 - 189*		B5H0197	08/10/2015	*08/10/15 13:51*	
Surrogate: 4-Bromofluorobenzene	*112 %*	*20 - 173*		B5H0197	08/10/2015	*08/10/15 13:51*	
Surrogate: Dibromofluoromethane	*97.1 %*	*26 - 178*		B5H0197	08/10/2015	*08/10/15 13:51*	
Surrogate: Toluene-d8	*89.0 %*	*31 - 166*		B5H0197	08/10/2015	*08/10/15 13:51*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B5-2.0'
Lab ID: 1502716-12

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	10	5	B5H0295	08/12/2015	08/13/15 09:59	D5
Arsenic	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:59	D5
Barium	**180**	5.0	5	B5H0295	08/12/2015	08/13/15 09:59	D5
Beryllium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:58	D5
Cadmium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:59	D5
Chromium	**45**	5.0	5	B5H0295	08/12/2015	08/13/15 09:59	D5
Cobalt	**5.9**	5.0	5	B5H0295	08/12/2015	08/13/15 09:59	D5
Copper	ND	10	5	B5H0295	08/12/2015	08/13/15 09:59	D5
Lead	**10**	5.0	5	B5H0295	08/12/2015	08/13/15 09:59	D5
Molybdenum	**22**	5.0	5	B5H0295	08/12/2015	08/13/15 09:59	D5
Nickel	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:59	D5
Selenium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:59	D5
Silver	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:59	D5
Thallium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 09:59	D5
Vanadium	**9.4**	5.0	5	B5H0295	08/12/2015	08/13/15 09:59	D5
Zinc	**34**	5.0	5	B5H0295	08/12/2015	08/13/15 09:59	D5

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 13:18	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0270	08/05/2015	08/11/15 21:13	
Surrogate: 4-Bromofluorobenzene	*95.2 %*	*37 - 153*		B5H0270	08/05/2015	*08/11/15 21:13*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5H0226	08/10/2015	08/10/15 22:11	
ORO	ND	10	1	B5H0226	08/10/2015	08/10/15 22:11	

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Client Sample ID B5-2.0'
Lab ID: 1502716-12

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*77.3 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 22:11*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 14:10	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B5-2.0'
Lab ID: 1502716-12

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 14:10	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 14:10	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 14:10	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 14:10	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 14:10	

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Client Sample ID B5-2.0'

Lab ID: 1502716-12

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl chloride		ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:10	
Surrogate: 1,2-Dichloroethane-d4	*82.0 %*		*20 - 189*		B5H0197	08/10/2015	*08/10/15 14:10*	
Surrogate: 4-Bromofluorobenzene	*112 %*		*20 - 173*		B5H0197	08/10/2015	*08/10/15 14:10*	
Surrogate: Dibromofluoromethane	*96.4 %*		*26 - 178*		B5H0197	08/10/2015	*08/10/15 14:10*	
Surrogate: Toluene-d8	*89.1 %*		*31 - 166*		B5H0197	08/10/2015	*08/10/15 14:10*	

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Client Sample ID B6-1.0'
Lab ID: 1502716-13

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	10	5	B5H0295	08/12/2015	08/13/15 10:03	D5
Arsenic	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:03	D5
Barium	**47**	5.0	5	B5H0295	08/12/2015	08/13/15 10:02	D5
Beryllium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:01	D5
Cadmium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:03	D5
Chromium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:03	D5
Cobalt	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:03	D5
Copper	ND	10	5	B5H0295	08/12/2015	08/13/15 10:02	D5
Lead	**8.1**	5.0	5	B5H0295	08/12/2015	08/13/15 10:03	D5
Molybdenum	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:03	D5
Nickel	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:03	D5
Selenium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:03	D5
Silver	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:02	D5
Thallium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:03	D5
Vanadium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:02	D5
Zinc	**55**	5.0	5	B5H0295	08/12/2015	08/13/15 10:02	D5

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 13:20	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0270	08/05/2015	08/11/15 21:28	
Surrogate: 4-Bromofluorobenzene	*101 %*	*37 - 153*		B5H0270	08/05/2015	*08/11/15 21:28*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5H0226	08/10/2015	08/10/15 22:29	
ORO	ND	10	1	B5H0226	08/10/2015	08/10/15 22:29	
Surrogate: p-Terphenyl	*83.5 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 22:29*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B6-1.0'

Lab ID: 1502716-13

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 14:29	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Client Sample ID B6-1.0'

Lab ID: 1502716-13

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 14:29	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 14:29	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 14:29	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 14:29	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 14:29	
Vinyl chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:29	
Surrogate: 1,2-Dichloroethane-d4	*83.6 %*	*20 - 189*		B5H0197	08/10/2015	*08/10/15 14:29*	
Surrogate: 4-Bromofluorobenzene	*112 %*	*20 - 173*		B5H0197	08/10/2015	*08/10/15 14:29*	
Surrogate: Dibromofluoromethane	*94.7 %*	*26 - 178*		B5H0197	08/10/2015	*08/10/15 14:29*	
Surrogate: Toluene-d8	*90.1 %*	*31 - 166*		B5H0197	08/10/2015	*08/10/15 14:29*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B6-3.0'
Lab ID: 1502716-14

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	10	5	B5H0295	08/12/2015	08/13/15 10:13	D5
Arsenic	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:13	D5
Barium	**41**	5.0	5	B5H0295	08/12/2015	08/13/15 10:13	D5
Beryllium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:12	D5
Cadmium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:13	D5
Chromium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:13	D5
Cobalt	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:13	D5
Copper	ND	10	5	B5H0295	08/12/2015	08/13/15 10:13	D5
Lead	**59**	5.0	5	B5H0295	08/12/2015	08/13/15 10:13	D5
Molybdenum	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:13	D5
Nickel	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:13	D5
Selenium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:13	D5
Silver	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:13	D5
Thallium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:13	D5
Vanadium	**7.2**	5.0	5	B5H0295	08/12/2015	08/13/15 10:13	D5
Zinc	**77**	5.0	5	B5H0295	08/12/2015	08/13/15 10:13	D5

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 13:22	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0270	08/05/2015	08/11/15 21:44	
Surrogate: 4-Bromofluorobenzene	*96.0 %*	*37 - 153*		B5H0270	08/05/2015	*08/11/15 21:44*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**24**	10	1	B5H0226	08/10/2015	08/10/15 23:20	
ORO	**88**	10	1	B5H0226	08/10/2015	08/10/15 23:20	

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Client Sample ID B6-3.0'
Lab ID: 1502716-14

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	*90.7 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 23:20*	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 14:47	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B6-3.0'

Lab ID: 1502716-14

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 14:47	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 14:47	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 14:47	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 14:47	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 14:47	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B6-3.0'

Lab ID: 1502716-14

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 14:47	
Surrogate: 1,2-Dichloroethane-d4	*78.9 %*	*20 - 189*		B5H0197	08/10/2015	*08/10/15 14:47*	
Surrogate: 4-Bromofluorobenzene	*110 %*	*20 - 173*		B5H0197	08/10/2015	*08/10/15 14:47*	
Surrogate: Dibromofluoromethane	*94.0 %*	*26 - 178*		B5H0197	08/10/2015	*08/10/15 14:47*	
Surrogate: Toluene-d8	*87.2 %*	*31 - 166*		B5H0197	08/10/2015	*08/10/15 14:47*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B6-5.0'
Lab ID: 1502716-15

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	10	5	B5H0295	08/12/2015	08/13/15 10:16	D5
Arsenic	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:16	D5
Barium	**35**	5.0	5	B5H0295	08/12/2015	08/13/15 10:16	D5
Beryllium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:15	D5
Cadmium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:16	D5
Chromium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:16	D5
Cobalt	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:16	D5
Copper	ND	10	5	B5H0295	08/12/2015	08/13/15 10:16	D5
Lead	**45**	5.0	5	B5H0295	08/12/2015	08/13/15 10:16	D5
Molybdenum	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:16	D5
Nickel	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:16	D5
Selenium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:16	D5
Silver	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:16	D5
Thallium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:16	D5
Vanadium	ND	5.0	5	B5H0295	08/12/2015	08/13/15 10:16	D5
Zinc	**69**	5.0	5	B5H0295	08/12/2015	08/13/15 10:16	D5

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 13:24	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0270	08/05/2015	08/11/15 22:00	
Surrogate: 4-Bromofluorobenzene	*108 %*	*37 - 153*		B5H0270	08/05/2015	*08/11/15 22:00*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5H0226	08/10/2015	08/10/15 22:46	
ORO	ND	10	1	B5H0226	08/10/2015	08/10/15 22:46	
Surrogate: p-Terphenyl	*78.6 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 22:46*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B6-5.0'

Lab ID: 1502716-15

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 15:06	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Client Sample ID B6-5.0'

Lab ID: 1502716-15

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 15:06	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 15:06	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 15:06	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 15:06	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 15:06	
Vinyl chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:06	
Surrogate: 1,2-Dichloroethane-d4	*80.1 %*	*20 - 189*		B5H0197	08/10/2015	*08/10/15 15:06*	
Surrogate: 4-Bromofluorobenzene	*114 %*	*20 - 173*		B5H0197	08/10/2015	*08/10/15 15:06*	
Surrogate: Dibromofluoromethane	*96.6 %*	*26 - 178*		B5H0197	08/10/2015	*08/10/15 15:06*	
Surrogate: Toluene-d8	*86.4 %*	*31 - 166*		B5H0197	08/10/2015	*08/10/15 15:06*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B2-4.0'
Lab ID: 1502716-16

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	20	10	B5H0295	08/12/2015	08/13/15 10:44	D5
Arsenic	ND	10	10	B5H0295	08/12/2015	08/13/15 10:44	D5
Barium	**26**	10	10	B5H0295	08/12/2015	08/13/15 10:44	D5
Beryllium	ND	10	10	B5H0295	08/12/2015	08/13/15 10:43	D5
Cadmium	ND	10	10	B5H0295	08/12/2015	08/13/15 10:44	D5
Chromium	ND	10	10	B5H0295	08/12/2015	08/13/15 10:44	D5
Cobalt	ND	10	10	B5H0295	08/12/2015	08/13/15 10:44	D5
Copper	ND	20	10	B5H0295	08/12/2015	08/13/15 10:44	D5
Lead	ND	10	10	B5H0295	08/12/2015	08/13/15 10:44	D5
Molybdenum	ND	10	10	B5H0295	08/12/2015	08/13/15 10:44	D5
Nickel	ND	10	10	B5H0295	08/12/2015	08/13/15 10:44	D5
Selenium	ND	10	10	B5H0295	08/12/2015	08/13/15 10:44	D5
Silver	ND	10	10	B5H0295	08/12/2015	08/13/15 10:44	D5
Thallium	ND	10	10	B5H0295	08/12/2015	08/13/15 10:44	D5
Vanadium	**19**	10	10	B5H0295	08/12/2015	08/13/15 10:44	D5
Zinc	**89**	10	10	B5H0295	08/12/2015	08/13/15 10:44	D5

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B5H0336	08/13/2015	08/13/15 13:52	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: BT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B5H0270	08/05/2015	08/11/15 22:16	
Surrogate: 4-Bromofluorobenzene	*103 %*	*37 - 153*		B5H0270	08/05/2015	*08/11/15 22:16*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B5H0226	08/10/2015	08/10/15 23:03	
ORO	ND	10	1	B5H0226	08/10/2015	08/10/15 23:03	
Surrogate: p-Terphenyl	*82.2 %*	*49 - 142*		B5H0226	08/10/2015	*08/10/15 23:03*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Client Sample ID B2-4.0'

Lab ID: 1502716-16

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,1,1-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,1,2-Trichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,1-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,1-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,1-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,2,3-Trichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,2,3-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,2,4-Trichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,2,4-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,2-Dibromo-3-chloropropane	ND	10	1	B5H0197	08/10/2015	08/10/15 15:25	
1,2-Dibromoethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,2-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,2-Dichloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,3,5-Trimethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,3-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,3-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
1,4-Dichlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
2,2-Dichloropropane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
2-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
4-Chlorotoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
4-Isopropyltoluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Benzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Bromobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Bromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Bromodichloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Bromoform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Bromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Carbon disulfide	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Carbon tetrachloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Chlorobenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Chloroethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Chloroform	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Chloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
cis-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Client Sample ID B2-4.0'

Lab ID: 1502716-16

Volatile Organic Compounds by EPA 8260B **Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Di-isopropyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Dibromochloromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Dibromomethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Dichlorodifluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Ethyl Acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 15:25	
Ethyl Ether	ND	50	1	B5H0197	08/10/2015	08/10/15 15:25	
Ethyl tert-butyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Ethylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Freon-113	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Hexachlorobutadiene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Isopropylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
m,p-Xylene	ND	10	1	B5H0197	08/10/2015	08/10/15 15:25	
Methylene chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
MTBE	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
n-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
n-Propylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Naphthalene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
o-Xylene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
sec-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Styrene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
tert-Amyl methyl ether	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
tert-Butanol	ND	100	1	B5H0197	08/10/2015	08/10/15 15:25	
tert-Butylbenzene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Tetrachloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Toluene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
trans-1,2-Dichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
trans-1,3-Dichloropropene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Trichloroethene	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Trichlorofluoromethane	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Vinyl acetate	ND	50	1	B5H0197	08/10/2015	08/10/15 15:25	
Vinyl chloride	ND	5.0	1	B5H0197	08/10/2015	08/10/15 15:25	
Surrogate: 1,2-Dichloroethane-d4	*78.8 %*	*20 - 189*		B5H0197	08/10/2015	*08/10/15 15:25*	
Surrogate: 4-Bromofluorobenzene	*115 %*	*20 - 173*		B5H0197	08/10/2015	*08/10/15 15:25*	
Surrogate: Dibromofluoromethane	*95.9 %*	*26 - 178*		B5H0197	08/10/2015	*08/10/15 15:25*	
Surrogate: Toluene-d8	*88.7 %*	*31 - 166*		B5H0197	08/10/2015	*08/10/15 15:25*	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

QUALITY CONTROL SECTION

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0294 - EPA 3050B_S									
Blank (B5H0294-BLK1)					Prepared: 8/12/2015 Analyzed: 8/13/2015				
Antimony	ND	2.0			NR				
Arsenic	ND	1.0			NR				
Barium	ND	1.0			NR				
Beryllium	ND	1.0			NR				
Cadmium	ND	1.0			NR				
Chromium	ND	1.0			NR				
Cobalt	ND	1.0			NR				
Copper	ND	2.0			NR				
Lead	ND	1.0			NR				
Molybdenum	ND	1.0			NR				
Nickel	ND	1.0			NR				
Selenium	ND	1.0			NR				
Silver	ND	1.0			NR				
Thallium	ND	1.0			NR				
Vanadium	ND	1.0			NR				
Zinc	ND	1.0			NR				
LCS (B5H0294-BS1)					Prepared: 8/12/2015 Analyzed: 8/13/2015				
Antimony	46.8868	2.0	50.0000		93.8	80 - 120			
Arsenic	45.2478	1.0	50.0000		90.5	80 - 120			
Barium	48.7397	1.0	50.0000		97.5	80 - 120			
Beryllium	45.9725	1.0	50.0000		91.9	80 - 120			
Cadmium	46.2110	1.0	50.0000		92.4	80 - 120			
Chromium	49.3328	1.0	50.0000		98.7	80 - 120			
Cobalt	47.5636	1.0	50.0000		95.1	80 - 120			
Copper	46.6141	2.0	50.0000		93.2	80 - 120			
Lead	46.5472	1.0	50.0000		93.1	80 - 120			
Molybdenum	48.2136	1.0	50.0000		96.4	80 - 120			
Nickel	46.9287	1.0	50.0000		93.9	80 - 120			
Selenium	43.5316	1.0	50.0000		87.1	80 - 120			
Silver	46.4839	1.0	50.0000		93.0	80 - 120			
Thallium	46.9834	1.0	50.0000		94.0	80 - 120			
Vanadium	48.4004	1.0	50.0000		96.8	80 - 120			
Zinc	44.8530	1.0	50.0000		89.7	80 - 120			
Matrix Spike (B5H0294-MS1)		**Source: 1502701-22**			Prepared: 8/12/2015 Analyzed: 8/13/2015				
Antimony	101.747	2.0	125.000	0.844618	80.7	28 - 106			
Arsenic	106.317	1.0	125.000	1.16843	84.1	57 - 109			
Barium	151.027	1.0	125.000	38.0630	90.4	18 - 159			
Beryllium	107.151	1.0	125.000	0.268070	85.5	61 - 107			

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0294 - EPA 3050B_S (continued)									
Matrix Spike (B5H0294-MS1) - Continued		**Source: 1502701-22**		Prepared: 8/12/2015 Analyzed: 8/13/2015					
Cadmium	102.806	1.0	125.000	0.098482	82.2	53 - 104			
Chromium	116.880	1.0	125.000	6.50047	88.3	53 - 121			
Cobalt	108.460	1.0	125.000	2.96732	84.4	55 - 109			
Copper	117.262	2.0	125.000	5.68684	89.3	58 - 124			
Lead	106.101	1.0	125.000	2.86546	82.6	35 - 129			
Molybdenum	108.464	1.0	125.000	ND	86.8	57 - 108			
Nickel	110.376	1.0	125.000	6.05838	83.5	44 - 122			
Selenium	101.814	1.0	125.000	ND	81.5	54 - 104			
Silver	109.559	1.0	125.000	ND	87.6	60 - 112			
Thallium	96.0893	1.0	125.000	ND	76.9	50 - 103			
Vanadium	128.655	1.0	125.000	15.6274	90.4	54 - 123			
Zinc	118.749	1.0	125.000	20.6851	78.5	29 - 132			
Matrix Spike Dup (B5H0294-MSD1)		**Source: 1502701-22**		Prepared: 8/12/2015 Analyzed: 8/13/2015					
Antimony	101.651	2.0	125.000	0.844618	80.6	28 - 106	0.0945	20	
Arsenic	106.618	1.0	125.000	1.16843	84.4	57 - 109	0.283	20	
Barium	145.964	1.0	125.000	38.0630	86.3	18 - 159	3.41	20	
Beryllium	106.816	1.0	125.000	0.268070	85.2	61 - 107	0.313	20	
Cadmium	100.466	1.0	125.000	0.098482	80.3	53 - 104	2.30	20	
Chromium	115.928	1.0	125.000	6.50047	87.5	53 - 121	0.817	20	
Cobalt	107.757	1.0	125.000	2.96732	83.8	55 - 109	0.650	20	
Copper	118.789	2.0	125.000	5.68684	90.5	58 - 124	1.29	20	
Lead	105.914	1.0	125.000	2.86546	82.4	35 - 129	0.176	20	
Molybdenum	108.936	1.0	125.000	ND	87.1	57 - 108	0.434	20	
Nickel	110.144	1.0	125.000	6.05838	83.3	44 - 122	0.211	20	
Selenium	102.869	1.0	125.000	ND	82.3	54 - 104	1.03	20	
Silver	106.268	1.0	125.000	ND	85.0	60 - 112	3.05	20	
Thallium	95.8934	1.0	125.000	ND	76.7	50 - 103	0.204	20	
Vanadium	125.468	1.0	125.000	15.6274	87.9	54 - 123	2.51	20	
Zinc	119.517	1.0	125.000	20.6851	79.1	29 - 132	0.645	20	
Batch B5H0295 - EPA 3050B_S									
Blank (B5H0295-BLK1)				Prepared: 8/12/2015 Analyzed: 8/13/2015					
Antimony	ND	2.0			NR				
Arsenic	ND	1.0			NR				
Barium	ND	1.0			NR				
Beryllium	ND	1.0			NR				
Cadmium	ND	1.0			NR				
Chromium	ND	1.0			NR				
Cobalt	ND	1.0			NR				

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0295 - EPA 3050B_S (continued)									
Blank (B5H0295-BLK1) - Continued				Prepared: 8/12/2015 Analyzed: 8/13/2015					
Copper	ND	2.0			NR				
Lead	ND	1.0			NR				
Molybdenum	ND	1.0			NR				
Nickel	ND	1.0			NR				
Selenium	ND	1.0			NR				
Silver	ND	1.0			NR				
Thallium	ND	1.0			NR				
Vanadium	ND	1.0			NR				
Zinc	ND	1.0			NR				
LCS (B5H0295-BS1)				Prepared: 8/12/2015 Analyzed: 8/13/2015					
Antimony	47.5965	2.0	50.0000		95.2	80 - 120			
Arsenic	46.5357	1.0	50.0000		93.1	80 - 120			
Barium	48.0490	1.0	50.0000		96.1	80 - 120			
Beryllium	47.3854	1.0	50.0000		94.8	80 - 120			
Cadmium	46.9387	1.0	50.0000		93.9	80 - 120			
Chromium	44.2679	1.0	50.0000		88.5	80 - 120			
Cobalt	47.1954	1.0	50.0000		94.4	80 - 120			
Copper	46.5677	2.0	50.0000		93.1	80 - 120			
Lead	47.2598	1.0	50.0000		94.5	80 - 120			
Molybdenum	49.3705	1.0	50.0000		98.7	80 - 120			
Nickel	46.6512	1.0	50.0000		93.3	80 - 120			
Selenium	44.5143	1.0	50.0000		89.0	80 - 120			
Silver	46.2687	1.0	50.0000		92.5	80 - 120			
Thallium	46.6074	1.0	50.0000		93.2	80 - 120			
Vanadium	47.0535	1.0	50.0000		94.1	80 - 120			
Zinc	45.7583	1.0	50.0000		91.5	80 - 120			
Duplicate (B5H0295-DUP1)		**Source: 1502716-11**		Prepared: 8/12/2015 Analyzed: 8/13/2015					
Antimony	ND	10		ND	NR			20	D5
Arsenic	ND	5.0		2.82590	NR			20	D5
Barium	211.509	5.0		345.522	NR		48.1	20	D5, R
Beryllium	0.713228	5.0		1.04132	NR		37.4	20	D5, R
Cadmium	ND	5.0		ND	NR			20	D5
Chromium	ND	5.0		ND	NR			20	D5
Cobalt	5.23062	5.0		6.73788	NR		25.2	20	D5, R
Copper	1.73757	10		2.31670	NR		28.6	20	D5, R
Lead	7.63094	5.0		16.3486	NR		72.7	20	D5, R
Molybdenum	ND	5.0		ND	NR			20	D5
Nickel	2.81320	5.0		3.30610	NR		16.1	20	D5
Selenium	ND	5.0		ND	NR			20	D5
Silver	ND	5.0		ND	NR			20	D5

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0295 - EPA 3050B_S (continued)									
Duplicate (B5H0295-DUP1) - Continued		**Source: 1502716-11**		Prepared: 8/12/2015 Analyzed: 8/13/2015					
Thallium	ND	5.0		ND	NR			20	D5
Vanadium	4.69916	5.0		6.96568	NR		38.9	20	D5, R
Zinc	33.8980	5.0		46.5030	NR		31.4	20	D5, R
Matrix Spike (B5H0295-MS1)		**Source: 1502716-11**		Prepared: 8/12/2015 Analyzed: 8/13/2015					
Antimony	95.1606	10	125.000	ND	76.1	28 - 106			D5
Arsenic	108.484	5.0	125.000	2.82590	84.5	57 - 109			D5
Barium	510.368	5.0	125.000	345.522	132	18 - 159			D5
Beryllium	105.014	5.0	125.000	1.04132	83.2	61 - 107			D5
Cadmium	106.010	5.0	125.000	ND	84.8	53 - 104			D5
Chromium	94.2871	5.0	125.000	ND	75.4	53 - 121			D5
Cobalt	113.861	5.0	125.000	6.73788	85.7	55 - 109			D5
Copper	105.640	10	125.000	2.31670	82.7	58 - 124			D5
Lead	123.286	5.0	125.000	16.3486	85.5	35 - 129			D5
Molybdenum	105.815	5.0	125.000	ND	84.7	57 - 108			D5
Nickel	107.380	5.0	125.000	3.30610	83.3	44 - 122			D5
Selenium	103.354	5.0	125.000	ND	82.7	54 - 104			D5
Silver	103.953	5.0	125.000	ND	83.2	60 - 112			D5
Thallium	102.441	5.0	125.000	ND	82.0	50 - 103			D5
Vanadium	108.129	5.0	125.000	6.96568	80.9	54 - 123			D5
Zinc	153.290	5.0	125.000	46.5030	85.4	29 - 132			D5
Matrix Spike Dup (B5H0295-MSD1)		**Source: 1502716-11**		Prepared: 8/12/2015 Analyzed: 8/13/2015					
Antimony	94.1602	10	125.000	ND	75.3	28 - 106	1.06	20	D5
Arsenic	108.933	5.0	125.000	2.82590	84.9	57 - 109	0.412	20	D5
Barium	508.579	5.0	125.000	345.522	130	18 - 159	0.351	20	D5
Beryllium	104.459	5.0	125.000	1.04132	82.7	61 - 107	0.529	20	D5
Cadmium	105.124	5.0	125.000	ND	84.1	53 - 104	0.840	20	D5
Chromium	94.0503	5.0	125.000	ND	75.2	53 - 121	0.251	20	D5
Cobalt	113.118	5.0	125.000	6.73788	85.1	55 - 109	0.655	20	D5
Copper	105.081	10	125.000	2.31670	82.2	58 - 124	0.531	20	D5
Lead	123.071	5.0	125.000	16.3486	85.4	35 - 129	0.174	20	D5
Molybdenum	106.101	5.0	125.000	ND	84.9	57 - 108	0.270	20	D5
Nickel	106.750	5.0	125.000	3.30610	82.8	44 - 122	0.588	20	D5
Selenium	103.275	5.0	125.000	ND	82.6	54 - 104	0.0771	20	D5
Silver	103.508	5.0	125.000	ND	82.8	60 - 112	0.429	20	D5
Thallium	102.962	5.0	125.000	ND	82.4	50 - 103	0.507	20	D5
Vanadium	107.002	5.0	125.000	6.96568	80.0	54 - 123	1.05	20	D5
Zinc	155.833	5.0	125.000	46.5030	87.5	29 - 132	1.65	20	D5

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0336 - EPA 7471_S									
Blank (B5H0336-BLK1)				Prepared: 8/13/2015 Analyzed: 8/13/2015					
Mercury	ND	0.10			NR				
LCS (B5H0336-BS1)				Prepared: 8/13/2015 Analyzed: 8/13/2015					
Mercury	0.838948	0.10	0.833333		101	80 - 120			
Matrix Spike (B5H0336-MS1)		**Source: 1502716-01RE1**		Prepared: 8/13/2015 Analyzed: 8/13/2015					
Mercury	0.865182	0.10	0.833333	ND	104	70 - 130			
Matrix Spike Dup (B5H0336-MSD1)		**Source: 1502716-01RE1**		Prepared: 8/13/2015 Analyzed: 8/13/2015					
Mercury	0.785641	0.10	0.847458	ND	92.7	70 - 130	9.64	20	
Post Spike (B5H0336-PS1)		**Source: 1502716-01RE1**		Prepared: 8/13/2015 Analyzed: 8/13/2015					
Mercury	0.005260		5.00000E-3	0.000005	105	85 - 115			

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0214 - GCVOA_S									
Blank (B5H0214-BLK1)				Prepared: 8/10/2015 Analyzed: 8/10/2015					
Gasoline Range Organics	ND	1.0			NR				
Surrogate: 4-Bromofluorobenzene	*0.2054*		*0.200000*		*103*	*37 - 153*			
LCS (B5H0214-BS1)				Prepared: 8/10/2015 Analyzed: 8/10/2015					
Gasoline Range Organics	4.15700	1.0	5.00000		83.1	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.2214*		*0.200000*		*111*	*37 - 153*			
Matrix Spike (B5H0214-MS1)		**Source: 1502716-10**		Prepared: 8/10/2015 Analyzed: 8/10/2015					
Gasoline Range Organics	6.01800	1.0	5.00000	ND	120	20 - 130			
Surrogate: 4-Bromofluorobenzene	*0.2171*		*0.200000*		*109*	*37 - 153*			
Matrix Spike Dup (B5H0214-MSD1)		**Source: 1502716-10**		Prepared: 8/10/2015 Analyzed: 8/10/2015					
Gasoline Range Organics	5.14900	1.0	5.00000	ND	103	20 - 130	15.6	20	
Surrogate: 4-Bromofluorobenzene	*0.2164*		*0.200000*		*108*	*37 - 153*			
Batch B5H0270 - GCVOA_S									
Blank (B5H0270-BLK1)				Prepared: 8/11/2015 Analyzed: 8/11/2015					
Gasoline Range Organics	ND	1.0			NR				
Surrogate: 4-Bromofluorobenzene	*0.2032*		*0.200000*		*102*	*37 - 153*			
LCS (B5H0270-BS1)				Prepared: 8/11/2015 Analyzed: 8/11/2015					
Gasoline Range Organics	5.67200	1.0	5.00000		113	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.2167*		*0.200000*		*108*	*37 - 153*			
Duplicate (B5H0270-DUP1)		**Source: 1502725-01**		Prepared: 8/11/2015 Analyzed: 8/11/2015					
Gasoline Range Organics	ND	1.0		ND	NR			20	
Surrogate: 4-Bromofluorobenzene	*0.1872*		*0.200000*		*93.6*	*37 - 153*			
Matrix Spike (B5H0270-MS1)		**Source: 1502725-01**		Prepared: 8/11/2015 Analyzed: 8/11/2015					
Gasoline Range Organics	5.04500	1.0	5.00000	ND	101	20 - 130			
Surrogate: 4-Bromofluorobenzene	*0.2082*		*0.200000*		*104*	*37 - 153*			
Matrix Spike Dup (B5H0270-MSD1)		**Source: 1502725-01**		Prepared: 8/11/2015 Analyzed: 8/11/2015					
Gasoline Range Organics	4.93200	1.0	5.00000	ND	98.6	20 - 130	2.27	20	
Surrogate: 4-Bromofluorobenzene	*0.1941*		*0.200000*		*97.0*	*37 - 153*			

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Diesel Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0226 - GCSEMI_DRO_S									
Blank (B5H0226-BLK1)				Prepared: 8/10/2015 Analyzed: 8/10/2015					
DRO	ND	10			NR				
ORO	ND	10			NR				
Surrogate: p-Terphenyl	*68.92*		*80.0000*		*86.2*	*49 - 142*			
LCS (B5H0226-BS1)				Prepared: 8/10/2015 Analyzed: 8/10/2015					
DRO	808.460	10	1000.00		80.8	48 - 155			
Surrogate: p-Terphenyl	*84.47*		*80.0000*		*106*	*49 - 142*			
Matrix Spike (B5H0226-MS1)		**Source: 1502716-01**		Prepared: 8/10/2015 Analyzed: 8/10/2015					
DRO	623.940	10	1000.00	ND	62.4	30 - 173			
Surrogate: p-Terphenyl	*65.48*		*80.0000*		*81.8*	*49 - 142*			

Certificate of Analysis

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6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Diesel Range Organics by EPA 8015B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0226 - GCSEMI_DRO_S (continued)									
Matrix Spike Dup (B5H0226-MSD1)		**Source: 1502716-01**		Prepared: 8/10/2015 Analyzed: 8/10/2015					
DRO	646.500	10	1000.00	ND	64.6	30 - 173	3.55	20	
Surrogate: p-Terphenyl	*67.50*		*80.0000*		*84.4*	*49 - 142*			

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0197 - MSVOA_S									
Blank (B5H0197-BLK1)				Prepared: 8/10/2015 Analyzed: 8/10/2015					
1,1,1,2-Tetrachloroethane	ND	5.0			NR				
1,1,1-Trichloroethane	ND	5.0			NR				
1,1,2,2-Tetrachloroethane	ND	5.0			NR				
1,1,2-Trichloroethane	ND	5.0			NR				
1,1-Dichloroethane	ND	5.0			NR				
1,1-Dichloroethene	ND	5.0			NR				
1,1-Dichloropropene	ND	5.0			NR				
1,2,3-Trichloropropane	ND	5.0			NR				
1,2,3-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trimethylbenzene	ND	5.0			NR				
1,2-Dibromo-3-chloropropane	ND	10			NR				
1,2-Dibromoethane	ND	5.0			NR				
1,2-Dichlorobenzene	ND	5.0			NR				
1,2-Dichloroethane	ND	5.0			NR				
1,2-Dichloropropane	ND	5.0			NR				
1,3,5-Trimethylbenzene	ND	5.0			NR				
1,3-Dichlorobenzene	ND	5.0			NR				
1,3-Dichloropropane	ND	5.0			NR				
1,4-Dichlorobenzene	ND	5.0			NR				
2,2-Dichloropropane	ND	5.0			NR				
2-Chlorotoluene	ND	5.0			NR				
4-Chlorotoluene	ND	5.0			NR				
4-Isopropyltoluene	ND	5.0			NR				
Benzene	ND	5.0			NR				
Bromobenzene	ND	5.0			NR				
Bromochloromethane	ND	5.0			NR				
Bromodichloromethane	ND	5.0			NR				
Bromoform	ND	5.0			NR				
Bromomethane	ND	5.0			NR				
Carbon disulfide	ND	5.0			NR				
Carbon tetrachloride	ND	5.0			NR				
Chlorobenzene	ND	5.0			NR				
Chloroethane	ND	5.0			NR				
Chloroform	ND	5.0			NR				
Chloromethane	ND	5.0			NR				
cis-1,2-Dichloroethene	ND	5.0			NR				
cis-1,3-Dichloropropene	ND	5.0			NR				
Di-isopropyl ether	ND	5.0			NR				
Dibromochloromethane	ND	5.0			NR				
Dibromomethane	ND	5.0			NR				

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0197 - MSVOA_S (continued)									
Blank (B5H0197-BLK1) - Continued				Prepared: 8/10/2015 Analyzed: 8/10/2015					
Dichlorodifluoromethane	ND	5.0			NR				
Ethyl Acetate	ND	50			NR				
Ethyl Ether	ND	50			NR				
Ethyl tert-butyl ether	ND	5.0			NR				
Ethylbenzene	ND	5.0			NR				
Freon-113	ND	5.0			NR				
Hexachlorobutadiene	ND	5.0			NR				
Isopropylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
Methylene chloride	ND	5.0			NR				
MTBE	ND	5.0			NR				
n-Butylbenzene	ND	5.0			NR				
n-Propylbenzene	ND	5.0			NR				
Naphthalene	ND	5.0			NR				
o-Xylene	ND	5.0			NR				
sec-Butylbenzene	ND	5.0			NR				
Styrene	ND	5.0			NR				
tert-Amyl methyl ether	ND	5.0			NR				
tert-Butanol	ND	100			NR				
tert-Butylbenzene	ND	5.0			NR				
Tetrachloroethene	ND	5.0			NR				
Toluene	ND	5.0			NR				
trans-1,2-Dichloroethene	ND	5.0			NR				
trans-1,3-Dichloropropene	ND	5.0			NR				
Trichloroethene	ND	5.0			NR				
Trichlorofluoromethane	ND	5.0			NR				
Vinyl acetate	ND	50			NR				
Vinyl chloride	ND	5.0			NR				
Surrogate: 1,2-Dichloroethane-d4	*35.60*		*50.0000*		*71.2*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*56.50*		*50.0000*		*113*	*20 - 173*			
Surrogate: Dibromofluoromethane	*43.48*		*50.0000*		*87.0*	*26 - 178*			
Surrogate: Toluene-d8	*43.70*		*50.0000*		*87.4*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0197 - MSVOA_S (continued)									
LCS (B5H0197-BS1)				Prepared: 8/10/2015 Analyzed: 8/10/2015					
1,1,1,2-Tetrachloroethane	54.1600	5.0	50.0000		108	74 - 117			
1,1,1-Trichloroethane	50.7000	5.0	50.0000		101	65 - 130			
1,1,2,2-Tetrachloroethane	47.3900	5.0	50.0000		94.8	63 - 123			
1,1,2-Trichloroethane	47.0300	5.0	50.0000		94.1	66 - 122			
1,1-Dichloroethane	46.7200	5.0	50.0000		93.4	65 - 124			
1,1-Dichloroethene	53.6900	5.0	50.0000		107	60 - 130			
1,1-Dichloropropene	56.3300	5.0	50.0000		113	75 - 121			
1,2,3-Trichloropropane	46.4600	5.0	50.0000		92.9	62 - 126			
1,2,3-Trichlorobenzene	48.3500	5.0	50.0000		96.7	72 - 120			
1,2,4-Trichlorobenzene	51.6300	5.0	50.0000		103	75 - 121			
1,2,4-Trimethylbenzene	55.3600	5.0	50.0000		111	82 - 118			
1,2-Dibromo-3-chloropropane	48.3200	10	50.0000		96.6	67 - 121			
1,2-Dibromoethane	52.6900	5.0	50.0000		105	69 - 123			
1,2-Dichlorobenzene	53.5200	5.0	50.0000		107	81 - 114			
1,2-Dichloroethane	49.5500	5.0	50.0000		99.1	71 - 119			
1,2-Dichloropropane	49.6200	5.0	50.0000		99.2	71 - 118			
1,3,5-Trimethylbenzene	55.3600	5.0	50.0000		111	81 - 120			
1,3-Dichlorobenzene	55.0100	5.0	50.0000		110	80 - 115			
1,3-Dichloropropane	49.4600	5.0	50.0000		98.9	77 - 117			
1,4-Dichlorobenzene	53.0000	5.0	50.0000		106	80 - 115			
2,2-Dichloropropane	48.7200	5.0	50.0000		97.4	58 - 141			
2-Chlorotoluene	54.4500	5.0	50.0000		109	78 - 120			
4-Chlorotoluene	53.5900	5.0	50.0000		107	79 - 119			
4-Isopropyltoluene	55.8500	5.0	50.0000		112	81 - 125			
Benzene	102.640	5.0	100.000		103	73 - 116			
Bromobenzene	51.5600	5.0	50.0000		103	78 - 115			
Bromochloromethane	47.1200	5.0	50.0000		94.2	66 - 121			
Bromodichloromethane	50.6400	5.0	50.0000		101	73 - 120			
Bromoform	54.4600	5.0	50.0000		109	68 - 124			
Bromomethane	77.2500	5.0	50.0000		154	26 - 163			
Carbon disulfide	51.4700	5.0	50.0000		103	43 - 142			
Carbon tetrachloride	62.1800	5.0	50.0000		124	67 - 130			
Chlorobenzene	52.8900	5.0	50.0000		106	82 - 114			
Chloroethane	59.1500	5.0	50.0000		118	40 - 151			
Chloroform	47.8500	5.0	50.0000		95.7	68 - 124			
Chloromethane	47.3000	5.0	50.0000		94.6	18 - 144			
cis-1,2-Dichloroethene	47.4300	5.0	50.0000		94.9	66 - 125			
cis-1,3-Dichloropropene	51.4600	5.0	50.0000		103	77 - 120			
Di-isopropyl ether	42.8700	5.0	50.0000		85.7	56 - 132			
Dibromochloromethane	51.3700	5.0	50.0000		103	76 - 118			
Dibromomethane	50.1600	5.0	50.0000		100	69 - 122			

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0197 - MSVOA_S (continued)									
LCS (B5H0197-BS1) - Continued				Prepared: 8/10/2015 Analyzed: 8/10/2015					
Dichlorodifluoromethane	55.3100	5.0	50.0000		111	0 - 155			
Ethyl Acetate	431.160	50	500.000		86.2	31 - 137			
Ethyl Ether	426.640	50	500.000		85.3	47 - 150			
Ethyl tert-butyl ether	44.1600	5.0	50.0000		88.3	63 - 134			
Ethylbenzene	102.860	5.0	100.000		103	79 - 115			
Freon-113	56.9800	5.0	50.0000		114	62 - 134			
Hexachlorobutadiene	58.4800	5.0	50.0000		117	71 - 121			
Isopropylbenzene	56.0700	5.0	50.0000		112	78 - 126			
m,p-Xylene	101.050	10	100.000		101	80 - 119			
Methylene chloride	55.3100	5.0	50.0000		111	56 - 129			
MTBE	42.1600	5.0	50.0000		84.3	61 - 124			
n-Butylbenzene	60.4800	5.0	50.0000		121	78 - 127			
n-Propylbenzene	57.5300	5.0	50.0000		115	77 - 128			
Naphthalene	46.7600	5.0	50.0000		93.5	61 - 141			
o-Xylene	99.7500	5.0	100.000		99.8	81 - 116			
sec-Butylbenzene	56.3600	5.0	50.0000		113	81 - 125			
Styrene	53.3400	5.0	50.0000		107	82 - 120			
tert-Amyl methyl ether	41.1000	5.0	50.0000		82.2	52 - 149			
tert-Butanol	165.610	100	250.000		66.2	26 - 160			
tert-Butylbenzene	56.3800	5.0	50.0000		113	80 - 123			
Tetrachloroethene	58.4000	5.0	50.0000		117	75 - 123			
Toluene	104.320	5.0	100.000		104	75 - 119			
trans-1,2-Dichloroethene	50.1800	5.0	50.0000		100	62 - 127			
trans-1,3-Dichloropropene	51.9500	5.0	50.0000		104	68 - 121			
Trichloroethene	54.2100	5.0	50.0000		108	73 - 119			
Trichlorofluoromethane	54.1300	5.0	50.0000		108	47 - 157			
Vinyl acetate	475.310	50	500.000		95.1	20 - 136			
Vinyl chloride	51.0300	5.0	50.0000		102	27 - 147			
Surrogate: 1,2-Dichloroethane-d4	*39.07*		*50.0000*		*78.1*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*61.99*		*50.0000*		*124*	*20 - 173*			
Surrogate: Dibromofluoromethane	*48.71*		*50.0000*		*97.4*	*26 - 178*			
Surrogate: Toluene-d8	*46.80*		*50.0000*		*93.6*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0197 - MSVOA_S (continued)									
Duplicate (B5H0197-DUP1)		**Source: 1502725-01**		Prepared: 8/10/2015 Analyzed: 8/10/2015					
1,1,1,2-Tetrachloroethane	ND	5.0		ND	NR			20	
1,1,1-Trichloroethane	ND	5.0		ND	NR			20	
1,1,2,2-Tetrachloroethane	ND	5.0		ND	NR			20	
1,1,2-Trichloroethane	ND	5.0		ND	NR			20	
1,1-Dichloroethane	ND	5.0		ND	NR			20	
1,1-Dichloroethene	ND	5.0		ND	NR			20	
1,1-Dichloropropene	ND	5.0		ND	NR			20	
1,2,3-Trichloropropane	ND	5.0		ND	NR			20	
1,2,3-Trichlorobenzene	ND	5.0		ND	NR			20	
1,2,4-Trichlorobenzene	ND	5.0		ND	NR			20	
1,2,4-Trimethylbenzene	ND	5.0		ND	NR			20	
1,2-Dibromo-3-chloropropane	ND	10		ND	NR			20	
1,2-Dibromoethane	ND	5.0		ND	NR			20	
1,2-Dichlorobenzene	ND	5.0		ND	NR			20	
1,2-Dichloroethane	ND	5.0		ND	NR			20	
1,2-Dichloropropane	ND	5.0		ND	NR			20	
1,3,5-Trimethylbenzene	ND	5.0		ND	NR			20	
1,3-Dichlorobenzene	ND	5.0		ND	NR			20	
1,3-Dichloropropane	ND	5.0		ND	NR			20	
1,4-Dichlorobenzene	ND	5.0		ND	NR			20	
2,2-Dichloropropane	ND	5.0		ND	NR			20	
2-Chlorotoluene	ND	5.0		ND	NR			20	
4-Chlorotoluene	ND	5.0		ND	NR			20	
4-Isopropyltoluene	ND	5.0		ND	NR			20	
Benzene	ND	5.0		ND	NR			20	
Bromobenzene	ND	5.0		ND	NR			20	
Bromochloromethane	ND	5.0		ND	NR			20	
Bromodichloromethane	ND	5.0		ND	NR			20	
Bromoform	ND	5.0		ND	NR			20	
Bromomethane	ND	5.0		ND	NR			20	
Carbon disulfide	ND	5.0		ND	NR			20	
Carbon tetrachloride	ND	5.0		ND	NR			20	
Chlorobenzene	ND	5.0		ND	NR			20	
Chloroethane	ND	5.0		ND	NR			20	
Chloroform	ND	5.0		ND	NR			20	
Chloromethane	ND	5.0		ND	NR			20	
cis-1,2-Dichloroethene	ND	5.0		ND	NR			20	
cis-1,3-Dichloropropene	ND	5.0		ND	NR			20	
Di-isopropyl ether	ND	5.0		ND	NR			20	
Dibromochloromethane	ND	5.0		ND	NR			20	
Dibromomethane	ND	5.0		ND	NR			20	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0197 - MSVOA_S (continued)									
Duplicate (B5H0197-DUP1) - Continued		**Source: 1502725-01**		Prepared: 8/10/2015 Analyzed: 8/10/2015					
Dichlorodifluoromethane	ND	5.0		ND	NR			20	
Ethyl Acetate	ND	50		ND	NR			20	
Ethyl Ether	ND	50		ND	NR			20	
Ethyl tert-butyl ether	ND	5.0		ND	NR			20	
Ethylbenzene	ND	5.0		ND	NR			20	
Freon-113	ND	5.0		ND	NR			20	
Hexachlorobutadiene	ND	5.0		ND	NR			20	
Isopropylbenzene	ND	5.0		ND	NR			20	
m,p-Xylene	ND	10		ND	NR			20	
Methylene chloride	ND	5.0		ND	NR			20	
MTBE	ND	5.0		ND	NR			20	
n-Butylbenzene	ND	5.0		ND	NR			20	
n-Propylbenzene	ND	5.0		ND	NR			20	
Naphthalene	ND	5.0		ND	NR			20	
o-Xylene	ND	5.0		ND	NR			20	
sec-Butylbenzene	ND	5.0		ND	NR			20	
Styrene	ND	5.0		ND	NR			20	
tert-Amyl methyl ether	ND	5.0		ND	NR			20	
tert-Butanol	ND	100		ND	NR			20	
tert-Butylbenzene	ND	5.0		ND	NR			20	
Tetrachloroethene	ND	5.0		ND	NR			20	
Toluene	ND	5.0		ND	NR			20	
trans-1,2-Dichloroethene	ND	5.0		ND	NR			20	
trans-1,3-Dichloropropene	ND	5.0		ND	NR			20	
Trichloroethene	ND	5.0		ND	NR			20	
Trichlorofluoromethane	ND	5.0		ND	NR			20	
Vinyl acetate	ND	50		ND	NR			20	
Vinyl chloride	ND	5.0		ND	NR			20	
Surrogate: 1,2-Dichloroethane-d4	*44.31*		*50.0000*		*88.6*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*56.23*		*50.0000*		*112*	*20 - 173*			
Surrogate: Dibromofluoromethane	*52.51*		*50.0000*		*105*	*26 - 178*			
Surrogate: Toluene-d8	*46.17*		*50.0000*		*92.3*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0197 - MSVOA_S (continued)									
Matrix Spike (B5H0197-MS1)		**Source: 1502716-10**		Prepared: 8/10/2015 Analyzed: 8/10/2015					
1,1,1,2-Tetrachloroethane	50.5100	5.0	50.0000	ND	101	45 - 122			
1,1,1-Trichloroethane	44.7300	5.0	50.0000	ND	89.5	46 - 131			
1,1,2,2-Tetrachloroethane	46.6100	5.0	50.0000	ND	93.2	34 - 133			
1,1,2-Trichloroethane	47.3400	5.0	50.0000	ND	94.7	40 - 133			
1,1-Dichloroethane	42.9200	5.0	50.0000	ND	85.8	50 - 120			
1,1-Dichloroethene	44.6000	5.0	50.0000	ND	89.2	42 - 130			
1,1-Dichloropropene	48.1300	5.0	50.0000	ND	96.3	49 - 125			
1,2,3-Trichloropropane	45.3100	5.0	50.0000	ND	90.6	42 - 130			
1,2,3-Trichlorobenzene	44.8700	5.0	50.0000	ND	89.7	2 - 136			
1,2,4-Trichlorobenzene	46.8500	5.0	50.0000	ND	93.7	6 - 137			
1,2,4-Trimethylbenzene	47.5300	5.0	50.0000	ND	95.1	37 - 129			
1,2-Dibromo-3-chloropropane	49.4300	10	50.0000	ND	98.9	36 - 135			
1,2-Dibromoethane	50.5200	5.0	50.0000	ND	101	43 - 129			
1,2-Dichlorobenzene	48.9600	5.0	50.0000	ND	97.9	31 - 129			
1,2-Dichloroethane	46.7400	5.0	50.0000	ND	93.5	50 - 122			
1,2-Dichloropropane	45.0200	5.0	50.0000	ND	90.0	51 - 119			
1,3,5-Trimethylbenzene	47.4700	5.0	50.0000	ND	94.9	38 - 130			
1,3-Dichlorobenzene	48.8900	5.0	50.0000	ND	97.8	31 - 128			
1,3-Dichloropropane	47.3400	5.0	50.0000	ND	94.7	52 - 122			
1,4-Dichlorobenzene	48.6100	5.0	50.0000	ND	97.2	31 - 128			
2,2-Dichloropropane	42.4800	5.0	50.0000	ND	85.0	42 - 140			
2-Chlorotoluene	47.3400	5.0	50.0000	ND	94.7	38 - 129			
4-Chlorotoluene	46.2400	5.0	50.0000	ND	92.5	38 - 128			
4-Isopropyltoluene	47.0400	5.0	50.0000	ND	94.1	31 - 137			
Benzene	90.9700	5.0	100.000	ND	91.0	51 - 117			
Bromobenzene	47.8600	5.0	50.0000	ND	95.7	41 - 125			
Bromochloromethane	44.8600	5.0	50.0000	ND	89.7	47 - 123			
Bromodichloromethane	47.0000	5.0	50.0000	ND	94.0	50 - 122			
Bromoform	53.3200	5.0	50.0000	ND	107	39 - 131			
Bromomethane	64.2600	5.0	50.0000	ND	129	10 - 154			
Carbon disulfide	41.2900	5.0	50.0000	ND	82.6	24 - 138			
Carbon tetrachloride	53.2800	5.0	50.0000	ND	107	44 - 131			
Chlorobenzene	49.0400	5.0	50.0000	ND	98.1	46 - 123			
Chloroethane	48.4900	5.0	50.0000	ND	97.0	27 - 143			
Chloroform	43.8900	5.0	50.0000	ND	87.8	50 - 124			
Chloromethane	38.5500	5.0	50.0000	ND	77.1	8 - 139			
cis-1,2-Dichloroethene	43.7600	5.0	50.0000	ND	87.5	48 - 125			
cis-1,3-Dichloropropene	49.2700	5.0	50.0000	ND	98.5	51 - 123			
Di-isopropyl ether	41.0300	5.0	50.0000	ND	82.1	45 - 125			
Dibromochloromethane	48.9700	5.0	50.0000	ND	97.9	48 - 124			
Dibromomethane	46.6700	5.0	50.0000	ND	93.3	48 - 124			

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0197 - MSVOA_S (continued)									
Matrix Spike (B5H0197-MS1) - Continued		**Source: 1502716-10**		Prepared: 8/10/2015 Analyzed: 8/10/2015					
Dichlorodifluoromethane	44.3200	5.0	50.0000	ND	88.6	0 - 150			
Ethyl Acetate	454.290	50	500.000	ND	90.9	0 - 140			
Ethyl Ether	415.790	50	500.000	ND	83.2	36 - 142			
Ethyl tert-butyl ether	43.2700	5.0	50.0000	ND	86.5	46 - 133			
Ethylbenzene	90.9200	5.0	100.000	ND	90.9	46 - 123			
Freon-113	47.2300	5.0	50.0000	ND	94.5	38 - 137			
Hexachlorobutadiene	48.3700	5.0	50.0000	ND	96.7	5 - 132			
Isopropylbenzene	48.2600	5.0	50.0000	ND	96.5	43 - 132			
m,p-Xylene	90.2900	10	100.000	ND	90.3	45 - 128			
Methylene chloride	49.3600	5.0	50.0000	ND	98.7	37 - 126			
MTBE	42.1900	5.0	50.0000	ND	84.4	46 - 125			
n-Butylbenzene	49.5200	5.0	50.0000	ND	99.0	24 - 138			
n-Propylbenzene	48.6600	5.0	50.0000	ND	97.3	40 - 133			
Naphthalene	46.0800	5.0	50.0000	ND	92.2	10 - 149			
o-Xylene	90.1800	5.0	100.000	ND	90.2	45 - 125			
sec-Butylbenzene	47.3400	5.0	50.0000	ND	94.7	33 - 136			
Styrene	48.6600	5.0	50.0000	ND	97.3	43 - 128			
tert-Amyl methyl ether	41.4600	5.0	50.0000	ND	82.9	35 - 147			
tert-Butanol	186.070	100	250.000	ND	74.4	0 - 208			
tert-Butylbenzene	47.6900	5.0	50.0000	ND	95.4	36 - 133			
Tetrachloroethene	50.2900	5.0	50.0000	ND	101	41 - 129			
Toluene	94.9400	5.0	100.000	ND	94.9	49 - 124			
trans-1,2-Dichloroethene	44.7400	5.0	50.0000	ND	89.5	44 - 126			
trans-1,3-Dichloropropene	50.1200	5.0	50.0000	ND	100	42 - 125			
Trichloroethene	47.2300	5.0	50.0000	ND	94.5	38 - 139			
Trichlorofluoromethane	46.8900	5.0	50.0000	ND	93.8	30 - 157			
Vinyl acetate	482.760	50	500.000	ND	96.6	0 - 132			
Vinyl chloride	42.3100	5.0	50.0000	ND	84.6	19 - 142			
Surrogate: 1,2-Dichloroethane-d4	*44.01*		*50.0000*		*88.0*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*59.55*		*50.0000*		*119*	*20 - 173*			
Surrogate: Dibromofluoromethane	*47.15*		*50.0000*		*94.3*	*26 - 178*			
Surrogate: Toluene-d8	*45.31*		*50.0000*		*90.6*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0197 - MSVOA_S (continued)									
Matrix Spike Dup (B5H0197-MSD1)		**Source: 1502716-10**		Prepared: 8/10/2015 Analyzed: 8/10/2015					
1,1,1,2-Tetrachloroethane	49.7300	5.0	50.0000	ND	99.5	45 - 122	1.56	20	
1,1,1-Trichloroethane	42.6900	5.0	50.0000	ND	85.4	46 - 131	4.67	20	
1,1,2,2-Tetrachloroethane	46.5500	5.0	50.0000	ND	93.1	34 - 133	0.129	20	
1,1,2-Trichloroethane	46.5600	5.0	50.0000	ND	93.1	40 - 133	1.66	20	
1,1-Dichloroethane	41.5000	5.0	50.0000	ND	83.0	50 - 120	3.36	20	
1,1-Dichloroethene	43.4200	5.0	50.0000	ND	86.8	42 - 130	2.68	20	
1,1-Dichloropropene	47.2000	5.0	50.0000	ND	94.4	49 - 125	1.95	20	
1,2,3-Trichloropropane	45.6400	5.0	50.0000	ND	91.3	42 - 130	0.726	20	
1,2,3-Trichlorobenzene	44.5400	5.0	50.0000	ND	89.1	2 - 136	0.738	20	
1,2,4-Trichlorobenzene	46.3800	5.0	50.0000	ND	92.8	6 - 137	1.01	20	
1,2,4-Trimethylbenzene	46.6000	5.0	50.0000	ND	93.2	37 - 129	1.98	20	
1,2-Dibromo-3-chloropropane	50.0300	10	50.0000	ND	100	36 - 135	1.21	20	
1,2-Dibromoethane	51.2200	5.0	50.0000	ND	102	43 - 129	1.38	20	
1,2-Dichlorobenzene	48.1400	5.0	50.0000	ND	96.3	31 - 129	1.69	20	
1,2-Dichloroethane	45.6000	5.0	50.0000	ND	91.2	50 - 122	2.47	20	
1,2-Dichloropropane	44.7300	5.0	50.0000	ND	89.5	51 - 119	0.646	20	
1,3,5-Trimethylbenzene	46.5500	5.0	50.0000	ND	93.1	38 - 130	1.96	20	
1,3-Dichlorobenzene	47.9400	5.0	50.0000	ND	95.9	31 - 128	1.96	20	
1,3-Dichloropropane	46.4800	5.0	50.0000	ND	93.0	52 - 122	1.83	20	
1,4-Dichlorobenzene	48.1000	5.0	50.0000	ND	96.2	31 - 128	1.05	20	
2,2-Dichloropropane	40.9500	5.0	50.0000	ND	81.9	42 - 140	3.67	20	
2-Chlorotoluene	46.0600	5.0	50.0000	ND	92.1	38 - 129	2.74	20	
4-Chlorotoluene	45.1700	5.0	50.0000	ND	90.3	38 - 128	2.34	20	
4-Isopropyltoluene	45.8700	5.0	50.0000	ND	91.7	31 - 137	2.52	20	
Benzene	88.7600	5.0	100.000	ND	88.8	51 - 117	2.46	20	
Bromobenzene	46.9800	5.0	50.0000	ND	94.0	41 - 125	1.86	20	
Bromochloromethane	43.2900	5.0	50.0000	ND	86.6	47 - 123	3.56	20	
Bromodichloromethane	45.6300	5.0	50.0000	ND	91.3	50 - 122	2.96	20	
Bromoform	53.6000	5.0	50.0000	ND	107	39 - 131	0.524	20	
Bromomethane	60.8100	5.0	50.0000	ND	122	10 - 154	5.52	20	
Carbon disulfide	36.6600	5.0	50.0000	ND	73.3	24 - 138	11.9	20	
Carbon tetrachloride	51.7700	5.0	50.0000	ND	104	44 - 131	2.87	20	
Chlorobenzene	47.4300	5.0	50.0000	ND	94.9	46 - 123	3.34	20	
Chloroethane	46.3400	5.0	50.0000	ND	92.7	27 - 143	4.53	20	
Chloroform	43.4300	5.0	50.0000	ND	86.9	50 - 124	1.05	20	
Chloromethane	35.4200	5.0	50.0000	ND	70.8	8 - 139	8.46	20	
cis-1,2-Dichloroethene	42.3000	5.0	50.0000	ND	84.6	48 - 125	3.39	20	
cis-1,3-Dichloropropene	48.1500	5.0	50.0000	ND	96.3	51 - 123	2.30	20	
Di-isopropyl ether	39.9700	5.0	50.0000	ND	79.9	45 - 125	2.62	20	
Dibromochloromethane	48.6100	5.0	50.0000	ND	97.2	48 - 124	0.738	20	
Dibromomethane	47.5600	5.0	50.0000	ND	95.1	48 - 124	1.89	20	

Certificate of Analysis

Geocon, Inc.	Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive	Report To :	Ben Eastman
San Diego , CA 92121	Reported :	08/13/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B5H0197 - MSVOA_S (continued)									
Matrix Spike Dup (B5H0197-MSD1) - Continued		**Source: 1502716-10**		Prepared: 8/10/2015 Analyzed: 8/10/2015					
Dichlorodifluoromethane	42.4400	5.0	50.0000	ND	84.9	0 - 150	4.33	20	
Ethyl Acetate	462.000	50	500.000	ND	92.4	0 - 140	1.68	20	
Ethyl Ether	413.920	50	500.000	ND	82.8	36 - 142	0.451	20	
Ethyl tert-butyl ether	42.6200	5.0	50.0000	ND	85.2	46 - 133	1.51	20	
Ethylbenzene	88.9000	5.0	100.000	ND	88.9	46 - 123	2.25	20	
Freon-113	46.9800	5.0	50.0000	ND	94.0	38 - 137	0.531	20	
Hexachlorobutadiene	47.1200	5.0	50.0000	ND	94.2	5 - 132	2.62	20	
Isopropylbenzene	47.0800	5.0	50.0000	ND	94.2	43 - 132	2.48	20	
m,p-Xylene	87.5700	10	100.000	ND	87.6	45 - 128	3.06	20	
Methylene chloride	47.6800	5.0	50.0000	ND	95.4	37 - 126	3.46	20	
MTBE	41.9200	5.0	50.0000	ND	83.8	46 - 125	0.642	20	
n-Butylbenzene	48.4000	5.0	50.0000	ND	96.8	24 - 138	2.29	20	
n-Propylbenzene	47.9800	5.0	50.0000	ND	96.0	40 - 133	1.41	20	
Naphthalene	46.5200	5.0	50.0000	ND	93.0	10 - 149	0.950	20	
o-Xylene	88.1200	5.0	100.000	ND	88.1	45 - 125	2.31	20	
sec-Butylbenzene	46.3400	5.0	50.0000	ND	92.7	33 - 136	2.13	20	
Styrene	47.3100	5.0	50.0000	ND	94.6	43 - 128	2.81	20	
tert-Amyl methyl ether	40.7600	5.0	50.0000	ND	81.5	35 - 147	1.70	20	
tert-Butanol	187.940	100	250.000	ND	75.2	0 - 208	1.00	20	
tert-Butylbenzene	46.8800	5.0	50.0000	ND	93.8	36 - 133	1.71	20	
Tetrachloroethene	49.0200	5.0	50.0000	ND	98.0	41 - 129	2.56	20	
Toluene	92.2800	5.0	100.000	ND	92.3	49 - 124	2.84	20	
trans-1,2-Dichloroethene	43.4000	5.0	50.0000	ND	86.8	44 - 126	3.04	20	
trans-1,3-Dichloropropene	49.6600	5.0	50.0000	ND	99.3	42 - 125	0.922	20	
Trichloroethene	47.0000	5.0	50.0000	ND	94.0	38 - 139	0.488	20	
Trichlorofluoromethane	45.7700	5.0	50.0000	ND	91.5	30 - 157	2.42	20	
Vinyl acetate	474.930	50	500.000	ND	95.0	0 - 132	1.64	20	
Vinyl chloride	39.9200	5.0	50.0000	ND	79.8	19 - 142	5.81	20	
Surrogate: 1,2-Dichloroethane-d4	*45.65*		*50.0000*		*91.3*	*20 - 189*			
Surrogate: 4-Bromofluorobenzene	*61.22*		*50.0000*		*122*	*20 - 173*			
Surrogate: Dibromofluoromethane	*47.87*		*50.0000*		*95.7*	*26 - 178*			
Surrogate: Toluene-d8	*45.91*		*50.0000*		*91.8*	*31 - 166*			

Certificate of Analysis

Geocon, Inc.		Project Number :	Sweetwater Vistas, 08175-06-08
6960 Flanders Drive		Report To :	Ben Eastman
San Diego , CA 92121		Reported :	08/13/2015

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
D5	Sample diluted due to failing internal standard in the original run.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 2

Instruction: Complete all shaded areas.

For Laboratory Use Only — ATLCOC Ver: 20130715

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
☐ Client ☑ ATL	1. CHILLED	☑	☐	5. # OF SAMPLES MATCH COC	☑	☐
☐ FedEx ☐ OnTrac	2. HEADSPACE (VOA)	☐	☐	6. PRESERVED	☐	☑
☐ GSO	3. CONTAINER INTACT	☑	☐	7. COOLER TEMP, deg C: 5-7		
☐ Other: _____	4. SEALED	☐	☑			

CUSTOMER

Company: Geocon Consultants, Inc.
Address: 6960 Flanders Drive
City: San Diego State: CA Zip: 92121
Tel: (858) 558-6100
Fax: (858) 558-8437

SEND REPORT TO:
Attn: Ben Eastman
Email: eastman@geoconinc.com
Company: Geocon Consultants, Inc.
Email: keffer@geoconinc.com
Address: 6960 Flanders Drive
City: San Diego State: CA Zip: 92121

SEND INVOICE TO: ☑ Same as SEND REPORT TO
Attn:
Email:
Company:
Address:
City: State: Zip:

PROJECT SAMPLES

Project Name: Sweetwater Vistas
Project No.: 08175-06-08
Sampler: S. Keffer
Quote No:
PO #:
Special Instructions/Comments:

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV

Encircle or Write Requested Analysis: 8260 / 624 (Volatiles); 8015(GRO); 8015(DRO) DRO; 8270(Semi-volatiles); 8081(Organochlorine Pesticides); 8082(PCBs); 6010 / 7000(Title 22 Metals); TO-15

Encircle Sample Matrix: SOIL / SEDIMENT / SLUDGE; SOLIDS / WIPE / FILTER; WATER - DRINKING / GROUND; WATER - STORM / WASTE; AQUEOUS / LAYERED - OIL

Container: # ; Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister; Material: 1=Glass; 2=Plastic; 3=Metal; Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=Zn (Ac)2; 6=NaOH; 7=Na2S2O3

ITEM	Lab No.	Sample ID / Location	Date	Time	8260 / 624 (Volatiles)	8015(GRO)	8015(DRO) DRO	8270(Semi-volatiles)	8081(Organochlorine Pesticides)	8082(PCBs)	6010 / 7000(Title 22 Metals)	TO-15	SOIL / SEDIMENT / SLUDGE	TAT	#	Type	Material	Preservative	REMARKS
1	1502716-1	B1-1.0'	8/5/15	9:55	X	X	X				X		X	5	1	1	2	4	
2	-2	B1-2.0'		10:00															
3	-3	B1-3.0'		10:05															
4	-4	B2-1.0'		10:40															
5	-5	B2-2.0'		10:43															
6	-6	B3-1.0'		11:15															
7	-7	B3-2.0'		11:18															
8	-8	B3-4.0'		11:20															
9	-9	B4-1.0'		11:45															
10	-10	B4-2.0'		11:50															

TERMS

1. Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.
2. Samples Submitted AFTER 3:00 PM, are considered received the following Business day at 8:00 AM.
3. The following turnaround time conditions apply:
   - TAT = 0 : 300% Surcharge SAME BUSINESS DAY if received by 9:00 AM
   - TAT = 1 : 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)
   - TAT = 2 : 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)
   - TAT = 3 : 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)
   - TAT = 4 : 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)
   - TAT = 5 : NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)
4. Weekend, holiday, after-hours work - ask for quote.
5. Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract lab --- ask for quote.
6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days after receipt of samples.
7. Electronic records maintained for five (5) years from report date
8. Hard copy reports will be disposed of after 45 calendar days from report date.
9. Storage and Report Fees:
   - Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; $2/sample/month if extended storage or hold is requested.
   - Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; $20/ sample/week if extended storage is requested.
   - Hard copy and regenerated reports/EDDs: $17.50 per hard copy report requested; $50.00 per regenerated/reformatted report; $35 per reprocessed EDD.
10. Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction on procedure.
11. Unanalyzed samples will incur a disposal fee of $7 per sample.

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Sean Keffer — Submitter Print Name — Signature

CUSTODY

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Sean Keffer	8/6/15	1128		8/6/15	1128
	8/6/15	1534		8/6/15	1600

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 2 of 2

Instruction: Complete all shaded areas.

For Laboratory Use Only — ATLCOC Ver: 20130715

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
☐ Client ☑ ATL	1. CHILLED	☑	☐	5. # OF SAMPLES MATCH COC	☑	☐
☐ FedEx ☐ OnTrac	2. HEADSPACE (VOA)	☐	☐	6. PRESERVED	☐	☑
☐ GSO	3. CONTAINER INTACT	☑	☐	7. COOLER TEMP, deg C:		
☐ Other: _____	4. SEALED	☐	☑			

CUSTOMER

Company: Geocon Consultants, Inc.
Address: 6960 Flanders Drive
City: San Diego State: CA Zip: 92121
Tel: (858) 558-6100
Fax: (858) 558-8437

SEND REPORT TO:
Attn: BEN EASTMAN
Email: eastman@geocon inc.com
Company: Geocon Consultants, Inc.
Address: 6960 Flanders Drive
City: San Diego State: CA Zip: 92121

SEND INVOICE TO: ☑ Same as SEND REPORT TO
Attn:
Email:
Company:
Address:
City: State: Zip:

PROJECT SAMPLES

Project Name: Sweetwater Vistas
Project No.: 08175-06-08
Sampler: S. Keffer
Quote No:
PO #:
Special Instructions/Comments:

Encircle or Write Requested Analysis: 8260 / 624 (Volatiles); 8015(GRO); 8015(DRO) / DRO; 8270(Semi-volatiles); 8081(Organochlorine Pesticides); 8082(PCBs); 6010 / 7000(Title 22 Metals); TO-15

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QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV

ITEM	Lab No.	Sample ID / Location	Date	Time	8260 / 624 (Volatiles)	8015(GRO)	8015(DRO) / DRO	8270(Semi-volatiles)	8081(Organochlorine Pesticides)	8082(PCBs)	6010 / 7000(Title 22 Metals)	TO-15	SOIL / SEDIMENT / SLUDGE	SOLIDS / WIPE/ FILTER	WATER - DRINKING / GROUND	WATER - STORM / WASTE	AQUEOUS / LAYERED - OIL	TAT	#	Type	Material	Preservative	REMARKS
1	1502716-11	B5-1.0'	8/5/15	9:25	X	X	X				X		X					5	1	1	2	4	
2	-12	B5-2.0'		9:30																			
3	-13	B6-1.0'		9:00																			
4	-14	B6-3.0'		9:10																			
5	-15	B6-5.0'		9:15																			
6																							
7																							
8																							
9																							
10																							

TERMS

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   TAT = 3 : 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)
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   - Hard copy and regenerated reports/EDDs: $17.50 per hard copy report requested; $50.00 per regenerated/reformat ed report; $35 per reprocessed EDD.
10. Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction on procedure.
11. Unanalyzed samples will incur a disposal fee of $7 per sample.

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

SEAN KEFFER — Submitter Print Name
Signature

CUSTODY

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
SEAN KEFFER	8/6/15	1135		8/6/15	1128
	8/6/15	1164	FPOWN	8/6/15	1600

From: Fernando Diwa
Sent: Friday, August 07, 2015 11:00 AM
To: Carmen Aguila; Diane Galvan
Subject: FW: Sweetwater Vistas, 08175-06-08

From: Sean Keffer [mailto:keffer@geoconinc.com]
Sent: Friday, August 07, 2015 10:58 AM
To: Fernando Diwa
Subject: RE: Sweetwater Vistas, 08175-06-08

Good morning Fernando,

Yes, please analyze sample B2-4.0' for the same COC's as the other submitted samples.

Thank you,
Sean

Sean K. Keffer | *Senior Staff Geologist*
Geocon Incorporated
6960 Flanders Drive, San Diego, CA 92121-2974
Tel 858.558.6900 Fax 858.558.6159
Visit our NEW website at www.geoconinc.com

From: Fernando Diwa [mailto:fernando@atlglobal.com]
Sent: Friday, August 07, 2015 10:07 AM
To: Sean Keffer
Cc: Carmen Aguila; Diane Galvan
Subject: Sweetwater Vistas, 08175-06-08

Hi Sean,

We have received one extra soil sample not listed on coc, labeled as B2-4.0', collected on 8/5/15 @ 10:45. Please advise if you need this sample to be analyzed, as well. See attached coc.

Regards,

Fernando Diwa

Advanced Technology Laboratories
www.atlglobal.com
Tel: (562) 989-4045 ext. 236
Fax: (562) 989-8807

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APPENDIX C

PROJECT NO. 08175-06-08

BORING B 1

ELEV. (MSL.) **442'** DATE COMPLETED **07-23-2015**

EQUIPMENT **CME 85** BY: **J. LAYOG**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0	B1-1			SC	**UNDOCUMENTED FILL (Qudf)** Medium dense, dry to damp, light reddish brown, Clayey, fine to coarse SAND; some silt; few angular cobble up to 6"; concrete debris			
2								
4								
6	B1-2				-Becomes medium brown, moist	86		
8					-Increase in gravel content			
10	B1-3				-No recovery	92		
12				CL	Firm, moist, dark brown, fine to coarse, Sandy CLAY			
14				SC	Medium dense, moist, light brown, Clayey, fine to coarse SAND with gravel and cobble			
16	B1-4					85/6"		
18								
20	B1-5				-No recovery; sampled in cobble	50/6"		
22								
24								
26	B1-6					98/9"		
28				CL	**SWEETWATER FORMATION (Tsw)** Hard, damp, reddish brown and light gray, fine Sandy CLAY; some medium to coarse-grained sand; few gravel			
30	B1-7					50/2"		

BORING TERMINATED AT 30.16 FEET
No groundwater encountered
Backfilled with bentonite grout on 07-23-2015

Figure A-1,
Log of Boring B 1, Page 1 of 1

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL
... STANDARD PENETRATION TEST
... DRIVE SAMPLE (UNDISTURBED)
... DISTURBED OR BAG SAMPLE
... CHUNK SAMPLE
... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. 08175-06-08

BORING B 2

ELEV. (MSL.) **442'** DATE COMPLETED **07-23-2015**

EQUIPMENT **CME 85** BY: **J. LAYOG**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0	B2-1			CL	**UNDOCUMENTED FILL (Qudf)** Firm, damp to moist, dark brown, fine to coarse, Sandy CLAY with gravel			
2								
4	B2-2					67		
6	B2-3			SM	Medium dense, damp to moist, yellowish brown and brown, Silty, fine to coarse SAND; few rounded and angular gravel	78		
8	B2-4					71		
10	B2-5					51		
12								
14				SM	**SWEETWATER FORMATION (Tsw)** Very dense, dry to damp, very light brown/tan, Silty, fine to coarse SAND			
16	B2-6					80		
	B2-7				-Utilized sand catcher	90/9"		
					BORING TERMINATED AT 17.5 FEET No groundwater encountered Backfilled with drilled cuttings on 07-23-2015			

Figure A-2,
Log of Boring B 2, Page 1 of 1

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

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GEOCON

PROJECT NO. 08175-06-08

BORING B 3

ELEV. (MSL.) **444'** DATE COMPLETED **07-23-2015**

EQUIPMENT **CME 85** BY: **J. LAYOG**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				CL	**UNDOCUMENTED FILL (Qudf)** Soft, moist, dark grayish brown, fine to coarse, Sandy CLAY; few angular gravel			
2								
4								
	B3-1					17		
6				SC	Medium dense, moist, medium brown and reddish brown, Clayey, fine to coarse SAND; some angular gravel			
8								
10	B3-2					64		
12								
14								
16								
18								
	B3-3			SM	**SWEETWATER FORMATION (Tsw)** Dense, damp, very light brown, Silty, fine to medium SAND with siltstone fragments	72		
20	B3-4					84		
22					BORING TERMINATED AT 22 FEET No groundwater encountered Backfilled with bentonite grout on 07-23-2015			

Figure A-3,
Log of Boring B 3, Page 1 of 1

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

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GEOCON

PROJECT NO. 08175-06-08

BORING B 4

ELEV. (MSL.) **441'** DATE COMPLETED **07-23-2015**

EQUIPMENT **CME 85** BY: **J. LAYOG**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0	B4-1			SC	**UNDOCUMENTED FILL (Qudf)** Medium dense, damp to moist, medium brown, Clayey, fine to coarse SAND; few angular gravel; concrete and asphalt debris; few rootlets			
2								
4					-Cobble; difficult drilling			
6								
8				SM	Dense, moist, light brown and reddish brown, Silty, fine to coarse SAND; some angular gravel			
10	B4-2					17/9"		
12								
14				CL	**TOPSOIL** Firm, moist, dark gray, fine, Sandy CLAY			
16	B4-3					61		
	B4-4					90		
18				SM	**SWEETWATER FORMATION (Tsw)** Very dense, moist, very light pinkish brown /tan, Silty, fine to medium SAND with light gray siltstone fragments (highly weathered)			

BORING TERMINATED AT 18.5 FEET
No groundwater encountered
Backfilled with drilled cuttings on 07-23-2015

Figure A-4,
Log of Boring B 4, Page 1 of 1

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. 08175-06-08

BORING B 5

ELEV. (MSL.) **443'** DATE COMPLETED **07-24-2015**

EQUIPMENT **CME 85** BY: **B. EASTMAN**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SC/SM	**UNDOCUMENTED FILL (Qudf)** Medium dense to very dense, dry to moist, medium brown, Clayey/Silty, fine- to medium-grained SAND; some gravel			
2								
4								
	B5-1					50/6"		
6					-Gravel increase			
8								
10	B5-2					80		
12				CL/CH	Hard, moist, dark brown, Silty CLAY; some gravel			
14								
	B5-3					50/6"		
16								
18				SC/SM	Dense to very dense, moist, medium brown, Clayey/Silty, fine- to medium-grained SAND; some gravel			
	B5-4					50/6"		
20								
22								
24								
	B5-5			SM	**SWEETWATER FORMATION (Tsw)** Very dense, dry to moist, light gray, Silty, fine- to medium-grained SAND; some clay and gravel	50/3"		
26								

BORING TERMINATED AT 27 FEET
No groundwater encountered
Backfilled with bentonite grout on 07-24-2015

Figure A-5,
Log of Boring B 5, Page 1 of 1

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL
... STANDARD PENETRATION TEST
... DRIVE SAMPLE (UNDISTURBED)
... DISTURBED OR BAG SAMPLE
... CHUNK SAMPLE
... WATER TABLE OR SEEPAGE

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GEOCON

PROJECT NO. 08175-06-08

BORING B 6

ELEV. (MSL.) **440'** DATE COMPLETED **07-27-2015**

EQUIPMENT **CME 85** BY: **J. LAYOG**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0	B6-1			GP	**UNDOCUMENTED FILL (Qudf)** Medium dense, moist, dark grayish brown, fine to coarse, Sandy GRAVEL; some silt, asphalt debris, oily odor (recycled asphalt)			
2								
4				CL	Firm, moist, fine to coarse, Sandy CLAY; some angular gravel up to 2"; dark grayish brown			
6	B6-2					31		
8								
10	B6-3			SM	Medium dense to dense, moist, medium brown, Silty, fine to coarse SAND; some clay; few angular gravel up to 1"	60		
12								
14				CL	Firm to stiff, moist, dark grayish brown, fine to coarse, Sandy CLAY with gravel up to 1"			
16	B6-4					65		
18				SW	Medium dense, moist, yellowish brown to medium brown, fine, Gravelly, fine to coarse SAND with silt			
20	B6-5					45		
22								
24				CL	Stiff, moist, dark grayish brown, fine to coarse, Sandy CLAY			
26	B6-6					55		
					-Becomes very light brown/white			
28				SM	**SWEETWATER FORMATION (Tsw)** Very dense, damp, very light brown, Silty, fine to medium SAND with light gray siltstone fragments			
30	B6-7					80		
					BORING TERMINATED AT 31.5 FEET No groundwater encountered Backfilled with bentonite grout on 07-27-2015			

Figure A-6,
Log of Boring B 6, Page 1 of 1

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

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GEOCON

PROJECT NO. 08175-06-08

BORING B 7

ELEV. (MSL.) **443'** DATE COMPLETED **07-24-2015**

EQUIPMENT **CME 85** BY: **B. EASTMAN**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SC/SM	**UNDOCUMENTED FILL (Qudf)** Medium dense, moist, dark brown, Clayey/Silty, fine- to medium-grained SAND; some gravel			
2								
4								
	B7-1					22		
6								
8								
10	B7-2					50		
12								
14								
	B7-3				-Clay increase	54		
16								
18								
20	B7-4					33		
22								
24					-Becomes dense to very dense			
	B7-5					65		
26								
28								
30	B7-6			SM	**SWEETWATER FORMATION (Tsw)** Very dense, dry to moist, light gray, Silty, fine- to medium-grained SAND; some clay and gravel	80		
	B7-7					79		
32								
					BORING TERMINATED AT 32.5 FEET No groundwater encountered			

Figure A-7,
Log of Boring B 7, Page 1 of 1

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

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GEOCON

PROJECT NO. 08175-06-08

BORING B 8

ELEV. (MSL.) **444'** DATE COMPLETED **07-24-2015**

EQUIPMENT **CME 85** BY: **B. EASTMAN**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SC/SM	**UNDOCUMENTED FILL (Qudf)** Medium dense, dry to moist, dark brown, Clayey/Silty, fine- to medium-grained SAND; some gravel			
2								
4								
	B8-1					22		
6								
8								
10	B8-2					60		
12								
14					-Clay increase			
	B8-3					74		
16								
18								
20	B8-4				-Becomes dense to very dense	50/6"		
22								
24								
	B8-5					50/6"		
26	B8-6			SM	**SWEETWATER FORMATION (Tsw)** Very dense, damp, light gray, Silty, fine- to medium-grained SAND; some clay and gravel	50/6"		

BORING TERMINATED AT 27 FEET
No groundwater encountered
Backfilled with bentonite grout on 07-24-2015

Figure A-8,
Log of Boring B 8, Page 1 of 1

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

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GEOCON

PROJECT NO. 08175-06-08

BORING B 9

ELEV. (MSL.) **443'** DATE COMPLETED **07-24-2015**

EQUIPMENT **CME 85** BY: **B. EASTMAN**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SC/SM	**UNDOCUMENTED FILL (Qudf)** Medium dense to dense, dry to moist, dark brown, Clayey/Silty, fine- to medium-grained SAND; some gravel; concrete debris			
2								
4								
6	B9-1					20		
8								
10	B9-2					50/6"		
12								
14					-Clay increase			
16	B9-3					66		
18				SM	Very dense, dry, medium brown, Silty, fine- to medium-grained SAND with gravel; some concrete debris			
20					-No recovery			
22								
24								
26					-No recovery			
28								
30					BORING TERMINATED AT 30 FEET No groundwater encountered Backfilled with bentonite grout on 07-24-2015			

Figure A-9,
Log of Boring B 9, Page 1 of 1

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL
... STANDARD PENETRATION TEST
... DRIVE SAMPLE (UNDISTURBED)
... DISTURBED OR BAG SAMPLE
... CHUNK SAMPLE
... WATER TABLE OR SEEPAGE

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GEOCON

PROJECT NO. 08175-06-08

BORING B 10

ELEV. (MSL.) **435'** DATE COMPLETED **07-27-2015**

EQUIPMENT **CME 85** BY: **J. LAYOG**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0	B10-1			SM	**UNDOCUMENTED FILL (Qudf)** Medium dense, dry to damp, medium brown, Silty, fine to coarse SAND; few angular gravel up to 2"			
2								
4								
6	B10-2					45		
8					-Gravelly drilling			
10						33		
12					-No recovery; cobble			
14	B10-3			SC	Dense, damp, grayish brown, Clayey, fine to coarse SAND with gray sandstone fragments, few angular gravel up to 1.5"			
16					-No recovery; cobble	50/1"		
					-Very difficult drilling			
18				GP	Dense, moist, dark gray, fine to coarse, Sandy GRAVEL; some silt			
20	B10-4					62		
22								
24				SM	Dense, moist, medium brown, Silty, fine to medium SAND; trace gravel			
26	B10-5					55		
28								
30	B10-6				-Becomes light grayish brown with few gravel	67		
32	B10-7					75/11"		
34								

Figure A-10,
Log of Boring B 10, Page 1 of 2

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

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GEOCON

PROJECT NO. 08175-06-08

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**BORING B 10** ELEV. (MSL.) **435'** DATE COMPLETED **07-27-2015** EQUIPMENT **CME 85** BY: **J. LAYOG**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
36					-Very dense; no recovery (cobble) -Drilling operator stopped drilling due to heavy rattling			
					BORING TERMINATED AT 36 FEET No groundwater encountered Backfilled with bentonite grout 07-27-2015			

Figure A-10,
Log of Boring B 10, Page 2 of 2

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS			
	... SAMPLING UNSUCCESSFUL	... STANDARD PENETRATION TEST	... DRIVE SAMPLE (UNDISTURBED)
	... DISTURBED OR BAG SAMPLE	... CHUNK SAMPLE	... WATER TABLE OR SEEPAGE

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GEOCON

PROJECT NO. 08175-06-08

BORING B 11

ELEV. (MSL.) **436'** DATE COMPLETED **07-27/28-2015**

EQUIPMENT **CME 85** BY: **J. LAYOG**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SC	**UNDOCUMENTED FILL (Qudf)** Medium dense, damp, medium brown and light grayish brown, Clayey, fine to coarse SAND with angular gravel up to 2"			
2								
4								
6	B11-1					34		
8								
10	B11-2				-Asphalt debris observed -Disturbed sample; cobble in sample	65		
12								
14								
16	B11-3				-Becomes grayish brown	67		
18				SM	Dense, moist, light brown, Silty, fine to coarse SAND; few gravel			
20	B11-4					75		
22				SC	Dense, moist, grayish brown, Clayey, fine to coarse SAND to Sandy CLAY; slight oily odor; some gravel/cobble			
24								
26	B11-5					79		
28								
30					-No recovery due to gravel/cobble			
32				CL	Very stiff to hard, damp, very light gray and gray, fine to medium Sandy CLAY; pockets of calcium carbonate			
34								

Figure A-11,
Log of Boring B 11, Page 1 of 2

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

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GEOCON

PROJECT NO. 08175-06-08

BORING B 11

ELEV. (MSL.) **436'** DATE COMPLETED **07-27/28-2015**

EQUIPMENT **CME 85** BY: **J. LAYOG**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
36	B11-6					75 100		
38				SC	**SWEETWATER FORMATION (Tsw)** Very dense, dry to damp, light gray, Clayey, fine to medium SAND; some caliche			
40	B11-7					95		
42								
44								
46	B11-8					100/9"		
48					-Very difficult drilling			
50	B11-9					100		
				SW	Very dense, dry, light gray, fine to coarse SAND			

BORING TERMINATED AT 51.5 FEET
No groundwater encountered
Backfilled with bentonite grout and chips on 07-28-2015

Figure A-11,
Log of Boring B 11, Page 2 of 2

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL
... STANDARD PENETRATION TEST
... DRIVE SAMPLE (UNDISTURBED)
... DISTURBED OR BAG SAMPLE
... CHUNK SAMPLE
... WATER TABLE OR SEEPAGE

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GEOCON

PROJECT NO. 08175-06-08

BORING B 12

ELEV. (MSL.) **437'** DATE COMPLETED **07-28-2015**

EQUIPMENT **CME 85** BY: **J. LAYOG**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0	B12-1			SC	**UNDOCUMENTED FILL (Qudf)** Loose, damp, yellowish brown, Clayey, fine to coarse SAND with gravel and cobble			
2								
4					-Few gravel			
	B12-2				-Sampled on cobble	50/6"		
6				SM	Loose, damp, medium to dark brown, Silty, fine to coarse SAND; few gravel and cobble			
8								
10	B12-3					90/10"		
12					-Disturbed sample due to rock			
14				CL	Firm, moist, dark grayish brown, fine to coarse, Sandy CLAY; few gravel; trace cobble			
	B12-4					50/6"		
16				SC	Loose to medium dense, moist, mixed grayish brown and light brown, Clayey, fine to coarse SAND; some gravel			
18								
20	B12-5				-Becomes dark grayish brown	70		
22								
24								
26	B12-6				-Disturbed sample; cobble	90		
28				SM	Medium dense, damp to moist, medium brown, Silty, fine to coarse SAND; some gravel			
30	B12-7					92		
32				SM	**SWEETWATER FORMATION (Tsw)** Dense, damp, mottled light gray and white, Silty, fine to coarse SAND; few gravel			
34								

Figure A-12,
Log of Boring B 12, Page 1 of 2

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. 08175-06-08

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**BORING B 12** ELEV. (MSL.) **437'** DATE COMPLETED **07-28-2015** EQUIPMENT **CME 85** BY: **J. LAYOG**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
	B12-8					11		
36					BORING TERMINATED AT 36 FEET No groundwater encountered Backfilled with bentonite grout on 07-28-2015			

Figure A-12,
Log of Boring B 12, Page 2 of 2

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS			
	... SAMPLING UNSUCCESSFUL	... STANDARD PENETRATION TEST	... DRIVE SAMPLE (UNDISTURBED)
	... DISTURBED OR BAG SAMPLE	... CHUNK SAMPLE	... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. 08175-06-08

BORING B 13

ELEV. (MSL.) **437'** DATE COMPLETED **07-28-2015**

EQUIPMENT **CME 85** BY: **J. LAYOG**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0	B13-1			SC	**UNDOCUMENTED FILL (Qudf)** Medium dense, damp to moist, medium brown, Clayey, fine to coarse SAND with fine gravel; some cobble			
2								
4				CL	Firm, moist, grayish brown, fine to coarse, Sandy CLAY; some gravel and cobble			
6	B13-2					66		
8								
10				SC	Medium dense, moist, yellowish brown and brown, Clayey, fine to coarse SAND; some gravel, plastic debris in sample -No recovery; cobble at shoe	67		
12								
14								
16					-No recovery	55		
18								
20								
22								
24					-Difficult drilling; becomes yellowish brown			
26	B13-3			SC	Medium dense, moist, medium brown and yellowish brown, Clayey, fine to coarse SAND with gravel and cobble	50/6"		
28						50/0"		
					-Refusal due to cobble/boulder			

BORING TERMINATED AT 29 FEET
No groundwater encountered
Backfilled with bentonite grout on 07-28-2015

Figure A-13,
Log of Boring B 13, Page 1 of 1

08175-06-08 (UPD-08-18-2015).GPJ

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

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UNIFIED SOIL CLASSIFICATION

MAJOR DIVISIONS				TYPICAL NAMES
COARSE-GRAINED SOILS MORE THAN HALF IS COARSER THAN NO. 200 SIEVE	GRAVELS MORE THAN HALF COARSE FRACTION IS LARGER THAN NO.4 SIEVE SIZE	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW	WELL GRADED GRAVELS WITH OR WITHOUT SAND, LITTLE OR NO FINES
			GP	POORLY GRADED GRAVELS WITH OR WITHOUT SAND, LITTLE OR NO FINES
		GRAVELS WITH OVER 12% FINES	GM	SILTY GRAVELS, SILTY GRAVELS WITH SAND
			GC	CLAYEY GRAVELS, CLAYEY GRAVELS WITH SAND
	SANDS MORE THAN HALF COARSE FRACTION IS LARGER THAN NO.4 SIEVE SIZE	CLEAN SANDS WITH LITTLE OR NO FINES	SW	WELL GRADED SANDS WITH OR WITHOUT GRAVEL, LITTLE OR NO FINES
			SP	POORLY GRADED SANDS WITH OR WITHOUT GRAVEL, LITTLE OR NO FINES
		SANDS WITH OVER 12% FINES	SM	SILTY SANDS WITH OR WITHOUT GRAVEL
			SC	CLAYEY SANDS WITH OR WITHOUT GRAVEL
FINE-GRAINED SOILS MORE THAN HALF IS FINER THAN NO. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT 50% OR LESS		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTS WITH SANDS AND GRAVELS
			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, CLAYS WITH SANDS AND GRAVELS, LEAN CLAYS
			OL	ORGANIC SILTS OR CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50%		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS, FINE SANDY OR SILTY SOILS, ELASTIC SILTS
			CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			OH	ORGANIC CLAYS OR CLAYS OF MEDIUM TO HIGH PLASTICITY
	HIGHLY ORGANIC SOILS		PT	PEAT AND OTHER HIGHLY ORGANIC SOILS

BORING/TRENCH LOG LEGEND

- No Recovery
- Shelby Tube Sample
- Bulk Sample
- SPT Sample
- Modified California Sample
- Groundwater Level (At Completion)
- Groundwater Level (Seepage)

PENETRATION RESISTANCE

SAND AND GRAVEL			SILT AND CLAY			
RELATIVE DENSITY	BLOWS PER FOOT (SPT)*	BLOWS PER FOOT (MOD-CAL)*	CONSISTENCY	BLOWS PER FOOT (SPT)*	BLOWS PER FOOT (MOD-CAL)*	COMPRESSIVE STRENGTH (tsf)
VERY LOOSE	0 - 4	0 - 6	VERY SOFT	0 - 2	0 - 3	0 - 0.25
LOOSE	5 - 10	7 - 16	SOFT	3 - 4	4 - 6	0.25 - 0.50
MEDIUM DENSE	11 - 30	17 - 48	FIRM	5 - 8	7 - 13	0.50 - 1.0
DENSE	31 - 50	49 - 79	STIFF	9 - 15	14 - 38	1.0 - 2.0
VERY DENSE	OVER 50	OVER 79	VERY STIFF	16 - 30	39 - 64	2.0 - 4.0
			HARD	OVER 30	OVER 64	OVER 4.0

*NUMBER OF BLOWS OF 140 LB HAMMER FALLING 30 INCHES TO DRIVE LAST 12 INCHES OF AN 18-INCH DRIVE

MOISTURE DESCRIPTIONS

FIELD TEST	APPROX. DEGREE OF SATURATION, S (%)	DESCRIPTION
NO INDICATION OF MOISTURE; DRY TO THE TOUCH	S<25	DRY
SLIGHT INDICATION OF MOISTURE	25≤S<50	DAMP
INDICATION OF MOISTURE; NO VISIBLE WATER	50≤S<75	MOIST
MINOR VISIBLE FREE WATER	75≤S<100	WET
VISIBLE FREE WATER	100	SATURATED

QUANTITY DESCRIPTIONS

APPROX. ESTIMATED PERCENT	DESCRIPTION
<5%	TRACE
5 - 10%	FEW
11 - 25%	LITTLE
26 - 50%	SOME
>50%	MOSTLY

GRAVEL/COBBLE/BOULDER DESCRIPTIONS

CRITERIA	DESCRIPTION
PASS THROUGH A 3-INCH SIEVE AND BE RETAINED ON A NO. 4 SIEVE (#4 TO 3")	GRAVEL
PASS A 12-INCH SQUARE OPENING AND BE RETAINED ON A 3-INCH SIEVE (3"-12")	COBBLE
WILL NOT PASS A 12-INCH SQUARE OPENING (>12")	BOULDER

CEMENTATION/INDURATION DESCRIPTIONS

FIELD TEST	DESCRIPTION
CRUMBLES OR BREAKS WITH HANDLING OR LITTLE FINGER PRESSURE	WEAKLY CEMENTED/INDURATED
CRUMBLES OR BREAKS WITH CONSIDERABLE FINGER PRESSURE	MODERATELY CEMENTED/INDURATED
WILL NOT CRUMBLE OR BREAK WITH FINGER PRESSURE	STRONGLY CEMENTED/INDURATED

IGNEOUS/METAMORPHIC ROCK STRENGTH DESCRIPTIONS

FIELD TEST	DESCRIPTION
MATERIAL CRUMBLES WITH BARE HAND	WEAK
MATERIAL CRUMBLES UNDER BLOWS FROM GEOLOGY HAMMER	MODERATELY WEAK
1/16-INCH INDENTATIONS WITH SHARP END GEOLOGY HAMMER	MODERATELY STRONG
HAND-HELD SPECIMEN CAN BE BROKEN WITH **ONE** BLOW FROM GEOLOGY HAMMER	STRONG
HAND-HELD SPECIMEN CAN BE BROKEN WITH **COUPLE** BLOWS FROM GEOLOGY HAMMER	VERY STRONG
HAND-HELD SPECIMEN CAN BE BROKEN WITH **MANY** BLOWS FROM GEOLOGY HAMMER	EXTREMELY STRONG

IGNEOUS/METAMORPHIC ROCK JOINT/FRACTURE DESCRIPTIONS

FIELD TEST	DESCRIPTION
NO OBSERVED FRACTURES	UNFRACTURED/UNJOINTED
MAJORITY OF JOINTS/FRACTURES SPACED AT 1 TO 3 FOOT INTERVALS	SLIGHTLY FRACTURED/JOINTED
MAJORITY OF JOINTS/FRACTURES SPACED AT 4-INCH TO 1 FOOT INTERVALS	MODERATELY FRACTURED/JOINTED
MAJORITY OF JOINTS/FRACTURES SPACED AT 1-INCH TO 4-INCH INTERVALS WITH SCATTERED FRAGMENTED INTERVALS	INTENSELY FRACTURED/JOINTED
MAJORITY OF JOINTS/FRACTURES SPACED AT LESS THAN 1-INCH INTERVALS; MOSTLY RECOVERED AS CHIPS AND FRAGMENTS	VERY INTENSELY FRACTURED/JOINTED

BEDDING SPACING DESCRIPTIONS

THICKNESS/SPACING	DESCRIPTOR
GREATER THAN 10 FEET	MASSIVE
3 TO 10 FEET	VERY THICKLY BEDDED
1 TO 3 FEET	THICKLY BEDDED
3/8-INCH TO 1 FOOT	MODERATELY BEDDED
1/16-INCH TO 3/8-INCH	THINLY BEDDED
1/32-INCH TO 1/16-INCH	VERY THINLY BEDDED
LESS THAN 1/32-INCH	LAMINATED

IGNEOUS/METAMORPHIC ROCK WEATHERING DESCRIPTIONS

DEGREE OF DECOMPOSITION	FIELD RECOGNITION	ENGINEERING PROPERTIES
SOIL	DISCOLORED, CHANGED TO SOIL, FABRIC DESTROYED	EASY TO DIG
COMPLETELY WEATHERED	DISCOLORED, CHANGED TO SOIL, FABRIC MAINLY PRESERVED	EXCAVATED BY HAND OR RIPPING (Saprolite)
HIGHLY WEATHERED	DISCOLORED, HIGHLY FRACTURED, FABRIC ALTERED AROUND FRACTURES	EXCAVATED BY HAND OR RIPPING, WITH SLIGHT DIFFICULTY
MODERATELY WEATHERED	DISCOLORED, FRACTURES, INTACT ROCK-NOTICEABLY WEAKER THAN FRESH ROCK	EXCAVATED WITH DIFFICULTY WITHOUT EXPLOSIVES
SLIGHTLY WEATHERED	MAY BE DISCOLORED, SOME FRACTURES, INTACT ROCK-NOT NOTICEABLY WEAKER THAN FRESH ROCK	REQUIRES EXPLOSIVES FOR EXCAVATION, WITH PERMEABLE JOINTS AND FRACTURES
FRESH	NO DISCOLORATION, OR LOSS OF STRENGTH	REQUIRES EXPLOSIVES

STRUCTURE DESCRIPTIONS

CRITERIA	DESCRIPTION
ALTERNATING LAYERS OF VARYING MATERIAL OR COLOR WITH LAYERS AT LEAST 1/4-INCH THICK	STRATIFIED
ALTERNATING LAYERS OF VARYING MATERIAL OR COLOR WITH LAYERS LESS THAN 1/4-INCH THICK	LAMINATED
BREAKS ALONG DEFINITE PLANES OF FRACTURE WITH LITTLE RESISTANCE TO FRACTURING	FISSURED
FRACTURE PLANES APPEAR POLISHED OR GLOSSY, SOMETIMES STRIATED	SLICKENSIDED
COHESIVE SOIL THAT CAN BE BROKEN DOWN INTO SMALLER ANGULAR LUMPS WHICH RESIST FURTHER BREAKDOWN	BLOCKY
INCLUSION OF SMALL POCKETS OF DIFFERENT SOIL, SUCH AS SMALL LENSES OF SAND SCATTERED THROUGH A MASS OF CLAY	LENSED
SAME COLOR AND MATERIAL THROUGHOUT	HOMOGENOUS

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