

ALAMO ANALYTICAL LABORATORIES, LTD.

Main: 10526 Gulfdale • San Antonio, Texas 78216-3601 • (210) 340-8121 . Fax. (210) 340-8123

REPORT NARRATIVE

12/31/2019

Mark Graves
HDR Engineering
2211 South IH 35
Austin , Texas - 78741
TEL: (512) 912-5190
FAX: (512) 912-5158

Email:

RE: BioGrass Extra

Dear Mark Graves:

Order No.: 1911019

Enclosed please find the analytical report for the sample/s received on 11/5/2019.

HOLDING TIMES: All samples were within prescribed holding times. The samples were analyzed in accordance with the Sample Acceptance Policy unless otherwise noted in the report.

QA/QC: All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

If you have any questions regarding these test results call (210) 340-8121.

Thank you,

Reddy Gosala, Ph.D

Laboratory Director

Report of Laboratory Analysis

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.



ALAMO ANALYTICAL LABORATORIES, LTD.

10526 Gulfdale
San Antonio, TX – 78216;
Ph. (210) 340-8121; Fax: (210) 340-8123

2500 Montana Avenue
El Paso, TX – 79903
Ph. (915) 599-2183; Fax: (915) 592-4659

www.alamoanalytical.com; (800) 572-6955

LABORATORY ANALYTICAL RESULTS

Client Name: HDR Ecological Equation
Project Manager: Bill Davidson

Report Date: 11/25/2019
Order No.: 1910110
Analysis Date: 11/22/2019

Phone: (514) 423-3945

GC FID Analysis - Units in ppm

Analyst: SLF

Samples agitated occasionally for 2 days at 20 ± 2 °C

| Sampling ID | 1911019-02A OW-2 SW DELPHIN 80 OF (ppm) | 1911019-04A OW-4 SM-PW 70 OF (ppm) | 1911019-05A OW-5 PDR 65 OF (ppm) |
|----------------------------|--|--|--|
| Initial Total hydrocarbons | 11,700 | 47,600 | 6,100 |
| Sample: Biograss Extract | | | |
| 1:1 | 4,970 | | 891 |
| 1:2 | | 7,280 | |

Samples and Biograss mix was agitated 2 hours.

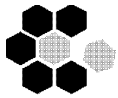
TPH Target: Under 10,000 ppm (<10,000 ppm of total hydrocarbons).

Reviewed by:

Reddy Gosala, Ph.D
Laboratory Director

Report of Laboratory Analysis

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Analytical Results Report

Client: HDR Engineering

Collection Date:

Lab Order: 1911019

Matrix: WATER

Project ID:

Lab ID: 1911019-02A

Project Name: BioGrass Extra

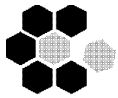
Client Sample ID: OW-2 SW Delphin 80F

| Analyses | Result | Report Limit | Units | Dilution | Date Analyzed |
|----------------------------|----------|--------------|----------------|----------|---------------------|
| METALS- RCRA, TOTAL | | | SW6010B | | Analyst: JOL |
| Arsenic | < 0.028 | 0.028 | mg/L | 1 | 12-Nov-19 |
| Barium | 0.278 | 0.011 | mg/L | 1 | 12-Nov-19 |
| Cadmium | < 0.0033 | 0.0033 | mg/L | 1 | 12-Nov-19 |
| Chromium | 0.056 | 0.0088 | mg/L | 1 | 12-Nov-19 |
| Lead | 0.07 | 0.03 | mg/L | 1 | 12-Nov-19 |
| Selenium | < 0.03 | 0.03 | mg/L | 1 | 12-Nov-19 |
| Silver | < 0.012 | 0.012 | mg/L | 1 | 12-Nov-19 |
| MERCURY, TOTAL | | | SW7470A | | Analyst: JOL |
| Mercury | < 0.0002 | 0.0002 | mg/L | 1 | 12-Nov-19 |

Approved by:

Report of Laboratory Analysis

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Analytical Results Report

Client: HDR Engineering

Collection Date:

Lab Order: 1911019

Matrix: WATER

Project ID:

Lab ID: 1911019-04A

Project Name: BioGrass Extra

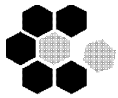
Client Sample ID: OW-4 SW-PW 70F

| Analyses | Result | Report Limit | Units | Dilution | Date Analyzed |
|----------------------------|----------|--------------|----------------|----------|---------------------|
| METALS- RCRA, TOTAL | | | SW6010B | | Analyst: JOL |
| Arsenic | < 0.028 | 0.028 | mg/L | 1 | 12-Nov-19 |
| Barium | 1.11 | 0.011 | mg/L | 1 | 12-Nov-19 |
| Cadmium | < 0.0033 | 0.0033 | mg/L | 1 | 12-Nov-19 |
| Chromium | 0.306 | 0.0088 | mg/L | 1 | 12-Nov-19 |
| Lead | 1.81 | 0.03 | mg/L | 1 | 12-Nov-19 |
| Selenium | < 0.03 | 0.03 | mg/L | 1 | 12-Nov-19 |
| Silver | < 0.012 | 0.012 | mg/L | 1 | 12-Nov-19 |
| MERCURY, TOTAL | | | SW7470A | | Analyst: JOL |
| Mercury | < 0.0002 | 0.0002 | mg/L | 1 | 12-Nov-19 |

Approved by:

Report of Laboratory Analysis

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Analytical Results Report

Client: HDR Engineering
Lab Order: 1911019
Project ID:
Project Name: BioGrass Extra
Client Sample ID: OW-5 PDR 65F

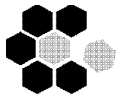
Collection Date:
Matrix: WATER
Lab ID: 1911019-05A

Table with 6 columns: Analyses, Result, Report Limit, Units, Dilution, Date Analyzed. Rows include METALS- RCRA, TOTAL (Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver) and MERCURY, TOTAL (Mercury).

Approved by: [Signature]

Report of Laboratory Analysis

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Analytical Results Report

Client: HDR Engineering

Collection Date: 11/5/2019

Lab Order: 1911019

Matrix: WATER

Project ID:

Lab ID: 1911019-08A

Project Name: BioGrass Extra

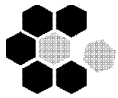
Client Sample ID: OW-2 SW Delphin 80F, After

| Analyses | Result | Report Limit | Units | Dilution | Date Analyzed |
|----------------------------|----------|--------------|----------------|----------|---------------------|
| METALS- RCRA, TOTAL | | | SW6010B | | Analyst: JOL |
| Arsenic | < 0.028 | 0.028 | mg/L | 1 | 12-Nov-19 |
| Barium | 0.118 | 0.011 | mg/L | 1 | 12-Nov-19 |
| Cadmium | < 0.0033 | 0.0033 | mg/L | 1 | 12-Nov-19 |
| Chromium | 0.023 | 0.0088 | mg/L | 1 | 12-Nov-19 |
| Lead | < 0.03 | 0.03 | mg/L | 1 | 12-Nov-19 |
| Selenium | < 0.03 | 0.03 | mg/L | 1 | 12-Nov-19 |
| Silver | < 0.012 | 0.012 | mg/L | 1 | 12-Nov-19 |
| MERCURY, TOTAL | | | SW7470A | | Analyst: JOL |
| Mercury | < 0.0002 | 0.0002 | mg/L | 1 | 12-Nov-19 |

Approved by:

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Analytical Results Report

Client: HDR Engineering

Collection Date:

Lab Order: 1911019

Matrix: WATER

Project ID:

Lab ID: 1911019-09A

Project Name: BioGrass Extra

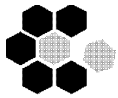
Client Sample ID: OW-4 SW-PW 70F, After

| Analyses | Result | Report Limit | Units | Dilution | Date Analyzed |
|----------------------------|----------|--------------|----------------|----------|---------------------|
| METALS- RCRA, TOTAL | | | SW6010B | | Analyst: JOL |
| Arsenic | < 0.028 | 0.028 | mg/L | 1 | 12-Nov-19 |
| Barium | 0.213 | 0.011 | mg/L | 1 | 12-Nov-19 |
| Cadmium | < 0.0033 | 0.0033 | mg/L | 1 | 12-Nov-19 |
| Chromium | 0.067 | 0.0088 | mg/L | 1 | 12-Nov-19 |
| Lead | 0.342 | 0.03 | mg/L | 1 | 12-Nov-19 |
| Selenium | < 0.03 | 0.03 | mg/L | 1 | 12-Nov-19 |
| Silver | < 0.012 | 0.012 | mg/L | 1 | 12-Nov-19 |
| MERCURY, TOTAL | | | SW7470A | | Analyst: JOL |
| Mercury | < 0.0002 | 0.0002 | mg/L | 1 | 12-Nov-19 |

Approved by:

Report of Laboratory Analysis

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Analytical Results Report

Client: HDR Engineering
Lab Order: 1911019
Project ID:
Project Name: BioGrass Extra
Client Sample ID: OW-5 PDR 65F

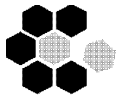
Collection Date:
Matrix: WATER
Lab ID: 1911019-10A

Table with 6 columns: Analyses, Result, Report Limit, Units, Dilution, Date Analyzed. Rows include METALS- RCRA, TOTAL (Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver) and MERCURY, TOTAL (Mercury).

Approved by: [Signature]

Report of Laboratory Analysis

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Analytical Results Report

Client: HDR Engineering
Lab Order: 1911019
Project ID:
Project Name: BioGrass Extra
Client Sample ID: Biograss Extract

Collection Date:
Matrix: WATER
Lab ID: 1911019-11A

Table with 6 columns: Analyses, Result, Report Limit, Units, Dilution, Date Analyzed. Rows include METALS- RCRA, TOTAL (Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver) and MERCURY, TOTAL (Mercury).

Approved by:

[Handwritten signature]

Report of Laboratory Analysis

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Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-02A
Analyst: SUB

Client Sample ID OW-2 SW Delphin 80F

Volatile Organics by GC/MS

SW8260B

Table with 8 columns: Analyte, Result, MDL, PQL, DF, Units, Date Analyzed, Qual. Lists various chemical compounds and their corresponding test results.

Approved by: [Signature]

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ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
 Work Order: 1911019
 Project Name: BioGrass Extra

Date: 31-Dec-19
 Date Received: 05-Nov-19
 Collection Date:
 Preparation Date: 19-Nov-19
 Matrix: WATER
 Lab ID: 1911019-02A
 Analyst: SUB

Client Sample ID OW-2 SW Delphin 80F

Volatile Organics by GC/MS

SW8260B

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|-------------------------|--------|-------|-----|-----|-------|---------------|------|
| Bromobenzene | < 2.5 | 0.935 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Bromochloromethane | < 2.5 | 0.945 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Bromodichloromethane | < 2.5 | 0.97 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Bromoform | < 2.5 | 1.57 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Bromomethane | < 2.5 | 0.915 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Carbon disulfide | < 2.5 | 1.16 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Carbon tetrachloride | < 2.5 | 0.95 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Chlorobenzene | < 2.5 | 0.87 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Chloroethane | < 2.5 | 0.655 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Chloroform | < 2.5 | 0.68 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Chloromethane | < 2.5 | 0.495 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| cis-1,2-Dichloroethene | < 2.5 | 0.775 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| cis-1,3-Dichloropropene | < 2.5 | 0.685 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Dibromochloromethane | < 2.5 | 1.11 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Dibromomethane | < 2.5 | 0.76 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Dichlorodifluoromethane | < 2.5 | 1.66 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Ethylbenzene | 22.2 | 0.775 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Hexachlorobutadiene | < 2.5 | 1.58 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Isopropylbenzene | 7.45 | 0.645 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| m,p-Xylenes | 50.9 | 2.41 | 5 | 500 | mg/L | 19-Nov-19 | |
| Methyl tert-butyl ether | < 2.5 | 1.6 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Methylene chloride | < 10 | 2.48 | 10 | 500 | mg/L | 19-Nov-19 | |
| n-Butylbenzene | 4.64 | 1.16 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| n-Propylbenzene | 8.61 | 1.26 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| o-Xylene | 21.5 | 1.26 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| sec-Butylbenzene | < 2.5 | 1.06 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Styrene | < 2.5 | 1.12 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| tert-Butylbenzene | < 2.5 | 1.08 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Tetrachloroethene | < 2.5 | 1.04 | 2.5 | 500 | mg/L | 19-Nov-19 | |

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-02A
Analyst: SUB

Client Sample ID OW-2 SW Delphin 80F

Volatile Organics by GC/MS SW8260B

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|---------------------------|--------|------|-----|-----|-------|---------------|------|
| Toluene | 51.9 | 1.16 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| trans-1,2-Dichloroethene | < 2.5 | 0.67 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| trans-1,3-Dichloropropene | < 2.5 | 1.14 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Trichloroethene | < 2.5 | 0.78 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Trichlorofluoromethane | < 2.5 | 1.32 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Vinyl chloride | < 1 | 0.65 | 1 | 500 | mg/L | 19-Nov-19 | |
| 2-Chloroethylvinylether | < 2.5 | 0.28 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Vinyl acetate | < 2.5 | 0.96 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| Xylenes, Total | 72.4 | 3.6 | 7.5 | 500 | mg/L | 19-Nov-19 | |

Surrogate Recoveries

| Analyte | Recovery | Control Limits |
|----------------------|----------|----------------|
| 4-Bromofluorobenzene | 120% | 61 — 159 |
| Dibromofluoromethane | 105% | 62 — 146 |
| Toluene-d8 | 119% | 60 — 168 |

For Surrogates: 0 = Dil. Out

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-04A
Analyst: SUB

Client Sample ID OW-4 SW-PW 70F

Volatile Organics by GC/MS

SW8260B

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|-----------------------------|--------|------|-----|-------|-------|---------------|------|
| 1,1,1,2-Tetrachloroethane | < 25 | 11 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,1,1-Trichloroethane | < 25 | 6.8 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,1,2,2-Tetrachloroethane | < 25 | 2.4 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,1,2-Trichloroethane | < 25 | 11.6 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,1-Dichloroethane | < 25 | 7 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,1-Dichloroethene | < 25 | 7.5 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,1-Dichloropropene | < 25 | 6 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,2,3-Trichlorobenzene | < 25 | 17 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,2,3-Trichloropropane | < 25 | 5.65 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,2,4-Trichlorobenzene | < 25 | 13 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,2,4-Trimethylbenzene | 935 | 10.2 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,2-Dibromo-3-chloropropane | < 25 | 11.6 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,2-Dibromoethane | < 25 | 10.7 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,2-Dichlorobenzene | < 25 | 6.15 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,2-Dichloroethane | < 25 | 6.55 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,2-Dichloropropane | < 25 | 6.3 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,3,5-Trimethylbenzene | 228 | 9.15 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,3-Dichlorobenzene | < 25 | 6.3 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,3-Dichloropropane | < 25 | 8.7 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 1,4-Dichlorobenzene | < 25 | 12.8 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 2,2-Dichloropropane | < 25 | 7.65 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 2-Butanone | < 100 | 8.6 | 100 | 10000 | mg/L | 19-Nov-19 | |
| 2-Chlorotoluene | < 25 | 8.3 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 2-Hexanone | < 50 | 21 | 50 | 10000 | mg/L | 19-Nov-19 | |
| 4-Chlorotoluene | < 25 | 14 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 4-Isopropyltoluene | 183 | 11.7 | 25 | 10000 | mg/L | 19-Nov-19 | |
| 4-Methyl-2-pentanone | < 50 | 19.4 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Acetone | < 100 | 31.2 | 100 | 10000 | mg/L | 19-Nov-19 | |
| Benzene | 4500 | 8.15 | 25 | 10000 | mg/L | 19-Nov-19 | |

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-04A
Analyst: SUB

Client Sample ID OW-4 SW-PW 70F

Volatile Organics by GC/MS

SW8260B

Table with 8 columns: Analyte, Result, MDL, PQL, DF, Units, Date Analyzed, Qual. Lists various organic compounds and their detection results.

Approved by: [Signature]

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ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-04A
Analyst: SUB

Client Sample ID OW-4 SW-PW 70F

Volatile Organics by GC/MS

SW8260B

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|---------------------------|--------|------|-----|-------|-------|---------------|------|
| Toluene | 9830 | 11.6 | 25 | 10000 | mg/L | 19-Nov-19 | |
| trans-1,2-Dichloroethene | < 25 | 6.7 | 25 | 10000 | mg/L | 19-Nov-19 | |
| trans-1,3-Dichloropropene | < 25 | 11.4 | 25 | 10000 | mg/L | 19-Nov-19 | |
| Trichloroethene | < 25 | 7.8 | 25 | 10000 | mg/L | 19-Nov-19 | |
| Trichlorofluoromethane | < 25 | 13.2 | 25 | 10000 | mg/L | 19-Nov-19 | |
| Vinyl chloride | < 10 | 6.5 | 10 | 10000 | mg/L | 19-Nov-19 | |
| 2-Chloroethylvinylether | < 25 | 2.8 | 25 | 10000 | mg/L | 19-Nov-19 | |
| Vinyl acetate | < 25 | 9.6 | 25 | 10000 | mg/L | 19-Nov-19 | |
| Xylenes, Total | 3610 | 36 | 75 | 10000 | mg/L | 19-Nov-19 | |

Surrogate Recoveries

| Analyte | Recovery | Control Limits |
|----------------------|----------|----------------|
| 4-Bromofluorobenzene | 95% | 61 — 159 |
| Dibromofluoromethane | 102% | 62 — 146 |
| Toluene-d8 | 85% | 60 — 168 |

For Surrogates: 0 = Dil. Out

Approved by:

Report of Laboratory Analysis

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ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-05A
Analyst: SUB

Client Sample ID OW-5 PDR 65F

Volatile Organics by GC/MS

SW8260B

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|-----------------------------|--------|-------|-----|-----|-------|---------------|------|
| 1,1,1,2-Tetrachloroethane | < 2 | 0.88 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,1,1-Trichloroethane | < 2 | 0.544 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,1,2,2-Tetrachloroethane | < 2 | 0.192 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,1,2-Trichloroethane | < 2 | 0.924 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,1-Dichloroethane | < 2 | 0.56 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,1-Dichloroethene | < 2 | 0.6 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,1-Dichloropropene | < 2 | 0.48 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,2,3-Trichlorobenzene | < 2 | 1.36 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,2,3-Trichloropropane | < 2 | 0.452 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,2,4-Trichlorobenzene | < 2 | 1.04 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,2,4-Trimethylbenzene | < 2 | 0.812 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,2-Dibromo-3-chloropropane | < 2 | 0.928 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,2-Dibromoethane | < 2 | 0.856 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,2-Dichlorobenzene | < 2 | 0.492 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,2-Dichloroethane | < 2 | 0.524 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,2-Dichloropropane | < 2 | 0.504 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,3,5-Trimethylbenzene | < 2 | 0.732 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,3-Dichlorobenzene | < 2 | 0.504 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,3-Dichloropropane | < 2 | 0.696 | 2 | 400 | mg/L | 19-Nov-19 | |
| 1,4-Dichlorobenzene | < 2 | 1.02 | 2 | 400 | mg/L | 19-Nov-19 | |
| 2,2-Dichloropropane | < 2 | 0.612 | 2 | 400 | mg/L | 19-Nov-19 | |
| 2-Butanone | < 8 | 0.688 | 8 | 400 | mg/L | 19-Nov-19 | |
| 2-Chlorotoluene | < 2 | 0.664 | 2 | 400 | mg/L | 19-Nov-19 | |
| 2-Hexanone | < 4 | 1.68 | 4 | 400 | mg/L | 19-Nov-19 | |
| 4-Chlorotoluene | < 2 | 1.12 | 2 | 400 | mg/L | 19-Nov-19 | |
| 4-Isopropyltoluene | < 2 | 0.936 | 2 | 400 | mg/L | 19-Nov-19 | |
| 4-Methyl-2-pentanone | < 4 | 1.55 | 4 | 400 | mg/L | 19-Nov-19 | |
| Acetone | < 8 | 2.49 | 8 | 400 | mg/L | 19-Nov-19 | |
| Benzene | 3.78 | 0.652 | 2 | 400 | mg/L | 19-Nov-19 | |

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-05A
Analyst: SUB

Client Sample ID OW-5 PDR 65F

Volatile Organics by GC/MS

SW8260B

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|-------------------------|--------|-------|-----|-----|-------|---------------|------|
| Bromobenzene | < 2 | 0.748 | 2 | 400 | mg/L | 19-Nov-19 | |
| Bromochloromethane | < 2 | 0.756 | 2 | 400 | mg/L | 19-Nov-19 | |
| Bromodichloromethane | < 2 | 0.776 | 2 | 400 | mg/L | 19-Nov-19 | |
| Bromoform | < 2 | 1.26 | 2 | 400 | mg/L | 19-Nov-19 | |
| Bromomethane | < 2 | 0.732 | 2 | 400 | mg/L | 19-Nov-19 | |
| Carbon disulfide | < 2 | 0.928 | 2 | 400 | mg/L | 19-Nov-19 | |
| Carbon tetrachloride | < 2 | 0.76 | 2 | 400 | mg/L | 19-Nov-19 | |
| Chlorobenzene | < 2 | 0.696 | 2 | 400 | mg/L | 19-Nov-19 | |
| Chloroethane | < 2 | 0.524 | 2 | 400 | mg/L | 19-Nov-19 | |
| Chloroform | < 2 | 0.544 | 2 | 400 | mg/L | 19-Nov-19 | |
| Chloromethane | < 2 | 0.396 | 2 | 400 | mg/L | 19-Nov-19 | |
| cis-1,2-Dichloroethene | < 2 | 0.62 | 2 | 400 | mg/L | 19-Nov-19 | |
| cis-1,3-Dichloropropene | < 2 | 0.548 | 2 | 400 | mg/L | 19-Nov-19 | |
| Dibromochloromethane | < 2 | 0.888 | 2 | 400 | mg/L | 19-Nov-19 | |
| Dibromomethane | < 2 | 0.608 | 2 | 400 | mg/L | 19-Nov-19 | |
| Dichlorodifluoromethane | < 2 | 1.32 | 2 | 400 | mg/L | 19-Nov-19 | |
| Ethylbenzene | < 2 | 0.62 | 2 | 400 | mg/L | 19-Nov-19 | |
| Hexachlorobutadiene | < 2 | 1.26 | 2 | 400 | mg/L | 19-Nov-19 | |
| Isopropylbenzene | < 2 | 0.516 | 2 | 400 | mg/L | 19-Nov-19 | |
| m,p-Xylenes | < 4 | 1.93 | 4 | 400 | mg/L | 19-Nov-19 | |
| Methyl tert-butyl ether | < 2 | 1.28 | 2 | 400 | mg/L | 19-Nov-19 | |
| Methylene chloride | < 8 | 1.98 | 8 | 400 | mg/L | 19-Nov-19 | |
| n-Butylbenzene | < 2 | 0.928 | 2 | 400 | mg/L | 19-Nov-19 | |
| n-Propylbenzene | < 2 | 1.01 | 2 | 400 | mg/L | 19-Nov-19 | |
| o-Xylene | < 2 | 1 | 2 | 400 | mg/L | 19-Nov-19 | |
| sec-Butylbenzene | < 2 | 0.852 | 2 | 400 | mg/L | 19-Nov-19 | |
| Styrene | < 2 | 0.896 | 2 | 400 | mg/L | 19-Nov-19 | |
| tert-Butylbenzene | < 2 | 0.864 | 2 | 400 | mg/L | 19-Nov-19 | |
| Tetrachloroethene | < 2 | 0.832 | 2 | 400 | mg/L | 19-Nov-19 | |

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-05A
Analyst: SUB

Client Sample ID OW-5 PDR 65F

Volatile Organics by GC/MS

SW8260B

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|---------------------------|--------|-------|-----|-----|-------|---------------|------|
| Toluene | < 2 | 0.924 | 2 | 400 | mg/L | 19-Nov-19 | |
| trans-1,2-Dichloroethene | < 2 | 0.536 | 2 | 400 | mg/L | 19-Nov-19 | |
| trans-1,3-Dichloropropene | < 2 | 0.908 | 2 | 400 | mg/L | 19-Nov-19 | |
| Trichloroethene | < 2 | 0.624 | 2 | 400 | mg/L | 19-Nov-19 | |
| Trichlorofluoromethane | < 2 | 1.05 | 2 | 400 | mg/L | 19-Nov-19 | |
| Vinyl chloride | < 0.8 | 0.52 | 0.8 | 400 | mg/L | 19-Nov-19 | |
| 2-Chloroethylvinylether | < 2 | 0.224 | 2 | 400 | mg/L | 19-Nov-19 | |
| Vinyl acetate | < 2 | 0.768 | 2 | 400 | mg/L | 19-Nov-19 | |
| Xylenes, Total | < 6 | 2.88 | 6 | 400 | mg/L | 19-Nov-19 | |

Surrogate Recoveries

| Analyte | Recovery | Control Limits |
|----------------------|----------|----------------|
| 4-Bromofluorobenzene | 125% | 61 — 159 |
| Dibromofluoromethane | 120% | 62 — 146 |
| Toluene-d8 | 119% | 60 — 168 |

For Surrogates: 0 = Dil. Out

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
 Work Order: 1911019
 Project Name: BioGrass Extra

Date: 31-Dec-19
 Date Received: 05-Nov-19
 Collection Date: 05-Nov-19
 Preparation Date: 19-Nov-19
 Matrix: WATER
 Lab ID: 1911019-08A
 Analyst: SUB

Client Sample ID OW-2 SW Delphin 80F, After

Volatile Organics by GC/MS

SW8260B

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|-----------------------------|--------|-------|-----|-----|-------|---------------|------|
| 1,1,1,2-Tetrachloroethane | < 2.5 | 1.1 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,1,1-Trichloroethane | < 2.5 | 0.68 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,1,2,2-Tetrachloroethane | < 2.5 | 0.24 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,1,2-Trichloroethane | < 2.5 | 1.16 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,1-Dichloroethane | < 2.5 | 0.7 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,1-Dichloroethene | < 2.5 | 0.75 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,1-Dichloropropene | < 2.5 | 0.6 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,2,3-Trichlorobenzene | < 2.5 | 1.7 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,2,3-Trichloropropane | < 2.5 | 0.565 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,2,4-Trichlorobenzene | 13.1 | 1.3 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,2,4-Trimethylbenzene | < 2.5 | 1.02 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,2-Dibromo-3-chloropropane | < 2.5 | 1.16 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,2-Dibromoethane | < 2.5 | 1.07 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,2-Dichlorobenzene | < 2.5 | 0.615 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,2-Dichloroethane | < 2.5 | 0.655 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,2-Dichloropropane | < 2.5 | 0.63 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,3,5-Trimethylbenzene | 4.5 | 0.915 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,3-Dichlorobenzene | < 2.5 | 0.63 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,3-Dichloropropane | < 2.5 | 0.87 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 1,4-Dichlorobenzene | < 2.5 | 1.28 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 2,2-Dichloropropane | < 2.5 | 0.765 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 2-Butanone | < 10 | 0.86 | 10 | 500 | mg/L | 19-Nov-19 | |
| 2-Chlorotoluene | < 2.5 | 0.83 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 2-Hexanone | < 5 | 2.1 | 5 | 500 | mg/L | 19-Nov-19 | |
| 4-Chlorotoluene | < 2.5 | 1.4 | 2.5 | 500 | mg/L | 19-Nov-19 | |
| 4-Isopropyltoluene | < 2.5 | 1.17 | 2.5 | 500 | mg/L | 19-Nov-19 | J |
| 4-Methyl-2-pentanone | < 5 | 1.94 | 5 | 500 | mg/L | 19-Nov-19 | |
| Acetone | < 10 | 3.12 | 10 | 500 | mg/L | 19-Nov-19 | |
| Benzene | < 2.5 | 0.815 | 2.5 | 500 | mg/L | 19-Nov-19 | |

Approved by: 

Report of Laboratory Analysis

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.

NELAP Certificate# San Antonio : T104704367-17-9



Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date: 05-Nov-19
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-08A
Analyst: SUB

Client Sample ID OW-2 SW Delphin 80F, After

Volatile Organics by GC/MS

SW8260B

Table with 8 columns: Analyte, Result, MDL, PQL, DF, Units, Date Analyzed, Qual. Lists various chemical compounds and their detection results.

Approved by: [Signature]

Report of Laboratory Analysis

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Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date: 05-Nov-19
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-08A
Analyst: SUB

Client Sample ID OW-2 SW Delphin 80F, After

Volatile Organics by GC/MS

SW8260B

Table with 8 columns: Analyte, Result, MDL, PQL, DF, Units, Date Analyzed, Qual. Rows include Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene, Trichlorofluoromethane, Vinyl chloride, 2-Chloroethylvinylether, Vinyl acetate, and Xylenes, Total.

Surrogate Recoveries

Table with 3 columns: Analyte, Recovery, Control Limits. Rows include 4-Bromofluorobenzene, Dibromofluoromethane, and Toluene-d8.

For Surrogates: 0 = Dil. Out

Approved by:

Handwritten signature

Report of Laboratory Analysis

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.



Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-09A
Analyst: SUB

Client Sample ID OW-4 SW-PW 70F, After

Volatile Organics by GC/MS

SW8260B

Table with 8 columns: Analyte, Result, MDL, PQL, DF, Units, Date Analyzed, Qual. Lists various chemical compounds and their detection results.

Approved by: [Signature]

Report of Laboratory Analysis

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Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-09A
Analyst: SUB

Client Sample ID OW-4 SW-PW 70F, After

Volatile Organics by GC/MS

SW8260B

Table with 8 columns: Analyte, Result, MDL, PQL, DF, Units, Date Analyzed, Qual. Lists various organic compounds and their detection levels.

Approved by: [Signature]

Report of Laboratory Analysis

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ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-09A
Analyst: SUB

Client Sample ID OW-4 SW-PW 70F, After

Volatile Organics by GC/MS

SW8260B

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|---------------------------|--------|------|-----|-------|-------|---------------|------|
| Toluene | 1090 | 23.1 | 50 | 10000 | mg/L | 19-Nov-19 | |
| trans-1,2-Dichloroethene | < 50 | 13.4 | 50 | 10000 | mg/L | 19-Nov-19 | |
| trans-1,3-Dichloropropene | < 50 | 22.7 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Trichloroethene | < 50 | 15.6 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Trichlorofluoromethane | < 50 | 26.3 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Vinyl chloride | < 20 | 13 | 20 | 10000 | mg/L | 19-Nov-19 | |
| 2-Chloroethylvinylether | < 50 | 5.6 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Vinyl acetate | < 50 | 19.2 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Xylenes, Total | 1130 | 72.1 | 150 | 10000 | mg/L | 19-Nov-19 | |

Surrogate Recoveries

| Analyte | Recovery | Control Limits |
|----------------------|----------|----------------|
| 4-Bromofluorobenzene | 84% | 61 — 159 |
| Dibromofluoromethane | 76% | 62 — 146 |
| Toluene-d8 | 102% | 60 — 168 |

For Surrogates: 0 = Dil. Out

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-10A
Analyst: SUB

Client Sample ID OW-5 PDR 65F

Volatile Organics by GC/MS

SW8260B

Table with 8 columns: Analyte, Result, MDL, PQL, DF, Units, Date Analyzed, Qual. Rows include various chemical compounds like 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, etc.

Approved by: [Signature]

Report of Laboratory Analysis

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Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-10A
Analyst: SUB

Client Sample ID OW-5 PDR 65F

Volatile Organics by GC/MS

SW8260B

Table with 8 columns: Analyte, Result, MDL, PQL, DF, Units, Date Analyzed, Qual. Lists various organic compounds and their detection levels.

Approved by: [Signature]

Report of Laboratory Analysis

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ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-10A
Analyst: SUB

Client Sample ID OW-5 PDR 65F

Volatile Organics by GC/MS

SW8260B

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|---------------------------|--------|------|-----|-------|-------|---------------|------|
| Toluene | < 50 | 23.1 | 50 | 10000 | mg/L | 19-Nov-19 | |
| trans-1,2-Dichloroethene | < 50 | 13.4 | 50 | 10000 | mg/L | 19-Nov-19 | |
| trans-1,3-Dichloropropene | < 50 | 22.7 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Trichloroethene | < 50 | 15.6 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Trichlorofluoromethane | < 50 | 26.3 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Vinyl chloride | < 20 | 13 | 20 | 10000 | mg/L | 19-Nov-19 | |
| 2-Chloroethylvinylether | < 50 | 5.6 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Vinyl acetate | < 50 | 19.2 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Xylenes, Total | < 150 | 72.1 | 150 | 10000 | mg/L | 19-Nov-19 | |

Surrogate Recoveries

| Analyte | Recovery | Control Limits |
|----------------------|----------|----------------|
| 4-Bromofluorobenzene | 104% | 61 — 159 |
| Dibromofluoromethane | 92% | 62 — 146 |
| Toluene-d8 | 79% | 60 — 168 |

For Surrogates: 0 = Dil. Out

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-11A
Analyst: SUB

Client Sample ID Biograss Extract

Volatile Organics by GC/MS

SW8260B

Table with 8 columns: Analyte, Result, MDL, PQL, DF, Units, Date Analyzed, Qual. Lists various chemical compounds and their detection results.

Approved by: [Signature]

Report of Laboratory Analysis

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.



Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-11A
Analyst: SUB

Client Sample ID Biograss Extract

Volatile Organics by GC/MS

SW8260B

Table with 8 columns: Analyte, Result, MDL, PQL, DF, Units, Date Analyzed, Qual. Lists various organic compounds and their detection levels.

Approved by: [Signature]

Report of Laboratory Analysis

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ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 19-Nov-19
Matrix: WATER
Lab ID: 1911019-11A
Analyst: SUB

Client Sample ID Biograss Extract

Volatile Organics by GC/MS

SW8260B

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|---------------------------|--------|------|-----|-------|-------|---------------|------|
| Toluene | < 50 | 23.1 | 50 | 10000 | mg/L | 19-Nov-19 | |
| trans-1,2-Dichloroethene | < 50 | 13.4 | 50 | 10000 | mg/L | 19-Nov-19 | |
| trans-1,3-Dichloropropene | < 50 | 22.7 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Trichloroethene | < 50 | 15.6 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Trichlorofluoromethane | < 50 | 26.3 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Vinyl chloride | < 20 | 13 | 20 | 10000 | mg/L | 19-Nov-19 | |
| 2-Chloroethylvinylether | < 50 | 5.6 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Vinyl acetate | < 50 | 19.2 | 50 | 10000 | mg/L | 19-Nov-19 | |
| Xylenes, Total | < 150 | 72.1 | 150 | 10000 | mg/L | 19-Nov-19 | |

Surrogate Recoveries

| Analyte | Recovery | Control Limits |
|----------------------|----------|----------------|
| 4-Bromofluorobenzene | 84% | 61 — 159 |
| Dibromofluoromethane | 105% | 62 — 146 |
| Toluene-d8 | 110% | 60 — 168 |

For Surrogates: 0 = Dil. Out

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra


Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-02A
Analyst: SUB

Client Sample ID OW-2 SW Delphin 80F

Semi-volatile Organics by GC/MS

SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|------------------------------|--------|---------|------|----|-------|---------------|------|
| 1,2,4,5-Tetrachlorobenzene | < 0.01 | 0.00154 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 1,2,4-Trichlorobenzene | < 0.01 | 0.00205 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 1,2-Dichlorobenzene | < 0.01 | 0.00138 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 1,3-Dichlorobenzene | < 0.01 | 0.00359 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 1,4-Dichlorobenzene | < 0.01 | 0.00282 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4,5-Trichlorophenol | < 0.01 | 0.0022 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4,6-Trichlorophenol | < 0.01 | 0.00147 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4-Dichlorophenol | < 0.01 | 0.00296 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4-Dimethylphenol | < 0.01 | 0.00318 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4-Dinitrophenol | < 0.01 | 0.00242 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4-Dinitrotoluene | < 0.01 | 0.00106 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,6-Dichlorophenol | < 0.01 | 0.00252 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,6-Dinitrotoluene | < 0.01 | 0.00209 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Chloronaphthalene | < 0.01 | 0.00222 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Chlorophenol | < 0.01 | 0.00271 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Methylnaphthalene | 2.15 | 0.00229 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Methylphenol | < 0.01 | 0.00261 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Nitroaniline | < 0.01 | 0.00265 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Nitrophenol | < 0.01 | 0.00257 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 3-Nitroaniline | < 0.01 | 0.00256 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4,6-Dinitro-2-methylphenol | < 0.01 | 0.00683 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Bromo phenyl phenyl ether | < 0.01 | 0.00297 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Chloro-3-methylphenol | < 0.01 | 0.00367 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Chloroaniline | < 0.01 | 0.00422 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Chloro phenyl phenyl ether | < 0.01 | 0.00213 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Methylphenol | < 0.01 | 0.00408 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Nitroaniline | < 0.01 | 0.0028 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Nitrophenol | < 0.01 | 0.0031 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Acenaphthene | 0.75 | 0.00298 | 0.01 | 1 | mg/L | 11-Nov-19 | |

Approved by: 

Report of Laboratory Analysis

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.

NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-02A
Analyst: SUB

Client Sample ID OW-2 SW Delphin 80F

Semi-volatile Organics by GC/MS

SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|-----------------------------|--------|---------|------|----|-------|---------------|------|
| Acenaphthylene | < 0.01 | 0.00207 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Aniline | < 0.01 | 0.00413 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Anthracene | < 0.01 | 0.0023 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzo(a)anthracene | < 0.01 | 0.00313 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzo(a)pyrene | < 0.01 | 0.00298 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzo(b)fluoranthene | < 0.01 | 0.0037 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzo(g,h,i)perylene | < 0.01 | 0.00294 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzo(k)fluoranthene | < 0.01 | 0.00195 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzoic acid | < 0.02 | 0.00871 | 0.02 | 1 | mg/L | 11-Nov-19 | |
| Benzyl alcohol | < 0.01 | 0.0027 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Bis(2-chloroethoxy)methane | < 0.01 | 0.00289 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Bis(2-chloroethyl)ether | < 0.01 | 0.00234 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Bis(2-chloroisopropyl)ether | < 0.01 | 0.0036 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Bis(2-ethylhexyl)phthalate | < 0.01 | 0.0026 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Butyl benzyl phthalate | < 0.01 | 0.0034 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Carbazole | < 0.02 | 0.00677 | 0.02 | 1 | mg/L | 11-Nov-19 | |
| Chrysene | < 0.01 | 0.00331 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Di-n-butyl phthalate | < 0.01 | 0.00382 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Di-n-octyl phthalate | < 0.01 | 0.00275 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Dibenz(a,h)anthracene | < 0.01 | 0.00182 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Dibenzofuran | < 0.01 | 0.00172 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Diethyl phthalate | < 0.01 | 0.00289 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Dimethyl phthalate | < 0.01 | 0.00286 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Fluoranthene | < 0.01 | 0.00213 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Fluorene | < 0.01 | 0.00217 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Hexachlorobenzene | < 0.01 | 0.00171 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Hexachlorobutadiene | < 0.01 | 0.00214 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Hexachlorocyclopentadiene | < 0.01 | 0.00216 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Hexachloroethane | < 0.01 | 0.00282 | 0.01 | 1 | mg/L | 11-Nov-19 | |

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-02A
Analyst: SUB

Client Sample ID OW-2 SW Delphin 80F

Semi-volatile Organics by GC/MS

SW8270C

Table with 8 columns: Analyte, Result, MDL, PQL, DF, Units, Date Analyzed, Qual. Lists various organic compounds and their detection results.

Surrogate Recoveries

Table with 3 columns: Analyte, Recovery, Control Limits. Shows recovery percentages for various surrogate compounds.

For Surrogates: 0 = Dil. Out

Approved by:

Handwritten signature

Report of Laboratory Analysis

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client.



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-04A
Analyst: SUB

Client Sample ID OW-4 SW-PW 70F

Semi-volatile Organics by GC/MS

SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|------------------------------|--------|---------|------|----|-------|---------------|------|
| 1,2,4,5-Tetrachlorobenzene | < 0.01 | 0.00154 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 1,2,4-Trichlorobenzene | < 0.01 | 0.00205 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 1,2-Dichlorobenzene | < 0.01 | 0.00138 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 1,3-Dichlorobenzene | < 0.01 | 0.00359 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 1,4-Dichlorobenzene | < 0.01 | 0.00282 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4,5-Trichlorophenol | < 0.01 | 0.0022 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4,6-Trichlorophenol | < 0.01 | 0.00147 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4-Dichlorophenol | < 0.01 | 0.00296 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4-Dimethylphenol | < 0.01 | 0.00318 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4-Dinitrophenol | < 0.01 | 0.00242 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4-Dinitrotoluene | < 0.01 | 0.00106 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,6-Dichlorophenol | < 0.01 | 0.00252 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,6-Dinitrotoluene | < 0.01 | 0.00209 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Chloronaphthalene | < 0.01 | 0.00222 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Chlorophenol | < 0.01 | 0.00271 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Methylnaphthalene | 14.5 | 0.00229 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Methylphenol | < 0.01 | 0.00261 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Nitroaniline | < 0.01 | 0.00265 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Nitrophenol | < 0.01 | 0.00257 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 3-Nitroaniline | < 0.01 | 0.00256 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4,6-Dinitro-2-methylphenol | < 0.01 | 0.00683 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Bromo phenyl phenyl ether | < 0.01 | 0.00297 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Chloro-3-methylphenol | < 0.01 | 0.00367 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Chloroaniline | < 0.01 | 0.00422 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Chloro phenyl phenyl ether | < 0.01 | 0.00213 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Methylphenol | < 0.01 | 0.00408 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Nitroaniline | < 0.01 | 0.0028 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Nitrophenol | < 0.01 | 0.0031 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Acenaphthene | 12.1 | 0.00298 | 0.01 | 1 | mg/L | 11-Nov-19 | |

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-04A
Analyst: SUB

Client Sample ID OW-4 SW-PW 70F

Semi-volatile Organics by GC/MS

SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|-----------------------------|--------|---------|------|----|-------|---------------|------|
| Acenaphthylene | < 0.01 | 0.00207 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Aniline | < 0.01 | 0.00413 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Anthracene | 2.5 | 0.0023 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzo(a)anthracene | < 0.01 | 0.00313 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzo(a)pyrene | < 0.01 | 0.00298 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzo(b)fluoranthene | < 0.01 | 0.0037 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzo(g,h,i)perylene | < 0.01 | 0.00294 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzo(k)fluoranthene | < 0.01 | 0.00195 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzoic acid | < 0.02 | 0.00871 | 0.02 | 1 | mg/L | 11-Nov-19 | |
| Benzyl alcohol | < 0.01 | 0.0027 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Bis(2-chloroethoxy)methane | < 0.01 | 0.00289 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Bis(2-chloroethyl)ether | < 0.01 | 0.00234 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Bis(2-chloroisopropyl)ether | < 0.01 | 0.0036 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Bis(2-ethylhexyl)phthalate | < 0.01 | 0.0026 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Butyl benzyl phthalate | < 0.01 | 0.0034 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Carbazole | < 0.02 | 0.00677 | 0.02 | 1 | mg/L | 11-Nov-19 | |
| Chrysene | < 0.01 | 0.00331 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Di-n-butyl phthalate | < 0.01 | 0.00382 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Di-n-octyl phthalate | < 0.01 | 0.00275 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Dibenz(a,h)anthracene | < 0.01 | 0.00182 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Dibenzofuran | < 0.01 | 0.00172 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Diethyl phthalate | < 0.01 | 0.00289 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Dimethyl phthalate | < 0.01 | 0.00286 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Fluoranthene | < 0.01 | 0.00213 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Fluorene | < 0.01 | 0.00217 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Hexachlorobenzene | < 0.01 | 0.00171 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Hexachlorobutadiene | < 0.01 | 0.00214 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Hexachlorocyclopentadiene | < 0.01 | 0.00216 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Hexachloroethane | < 0.01 | 0.00282 | 0.01 | 1 | mg/L | 11-Nov-19 | |

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-04A
Analyst: SUB

Client Sample ID OW-4 SW-PW 70F

Semi-volatile Organics by GC/MS

SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|---------------------------|--------|---------|------|----|-------|---------------|------|
| Indeno(1,2,3-cd)pyrene | < 0.01 | 0.00297 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Isophorone | < 0.01 | 0.00399 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| N-Nitrosodi-n-propylamine | < 0.01 | 0.00354 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| N-Nitrosodimethylamine | < 0.01 | 0.00236 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| N-Nitrosodiphenylamine | < 0.01 | 0.00258 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Naphthalene | 12.3 | 0.00186 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Nitrobenzene | < 0.01 | 0.00324 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Pentachlorobenzene | < 0.01 | 0.0025 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Pentachloronitrobenzene | < 0.01 | 0.002 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Pentachlorophenol | < 0.01 | 0.0036 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Phenanthrene | 5.1 | 0.00114 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Phenol | < 0.01 | 0.00386 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Pyrene | < 0.01 | 0.00205 | 0.01 | 1 | mg/L | 11-Nov-19 | |

Surrogate Recoveries

| Analyte | Recovery | Control Limits |
|----------------------|----------|----------------|
| 2,4,6-Tribromophenol | 74% | 11 — 143 |
| 2-Fluorobiphenyl | 53% | 49 — 105 |
| 2-Fluorophenol | 44% | 28 — 83 |
| Nitrobenzene-d5 | 81% | 36 — 122 |
| Phenol-d5 | 63% | 10 — 85 |
| Terphenyl-d14 | 124% | 10 — 176 |

For Surrogates: 0 = Dil. Out

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra


Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-05A
Analyst: SUB

Client Sample ID OW-5 PDR 65F

Semi-volatile Organics by GC/MS

SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|------------------------------|--------|---------|------|----|-------|---------------|------|
| 1,2,4,5-Tetrachlorobenzene | < 0.01 | 0.00154 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 1,2,4-Trichlorobenzene | < 0.01 | 0.00205 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 1,2-Dichlorobenzene | < 0.01 | 0.00138 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 1,3-Dichlorobenzene | < 0.01 | 0.00359 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 1,4-Dichlorobenzene | < 0.01 | 0.00282 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4,5-Trichlorophenol | < 0.01 | 0.0022 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4,6-Trichlorophenol | < 0.01 | 0.00147 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4-Dichlorophenol | < 0.01 | 0.00296 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4-Dimethylphenol | < 0.01 | 0.00318 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4-Dinitrophenol | < 0.01 | 0.00242 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,4-Dinitrotoluene | < 0.01 | 0.00106 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,6-Dichlorophenol | < 0.01 | 0.00252 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2,6-Dinitrotoluene | < 0.01 | 0.00209 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Chloronaphthalene | < 0.01 | 0.00222 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Chlorophenol | < 0.01 | 0.00271 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Methylnaphthalene | < 0.01 | 0.00229 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Methylphenol | < 0.01 | 0.00261 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Nitroaniline | < 0.01 | 0.00265 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 2-Nitrophenol | < 0.01 | 0.00257 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 3-Nitroaniline | < 0.01 | 0.00256 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4,6-Dinitro-2-methylphenol | < 0.01 | 0.00683 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Bromo phenyl phenyl ether | < 0.01 | 0.00297 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Chloro-3-methylphenol | < 0.01 | 0.00367 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Chloroaniline | < 0.01 | 0.00422 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Chloro phenyl phenyl ether | < 0.01 | 0.00213 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Methylphenol | < 0.01 | 0.00408 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Nitroaniline | < 0.01 | 0.0028 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| 4-Nitrophenol | < 0.01 | 0.0031 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Acenaphthene | < 0.01 | 0.00298 | 0.01 | 1 | mg/L | 11-Nov-19 | |

Approved by: 

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-05A
Analyst: SUB

Client Sample ID OW-5 PDR 65F

Semi-volatile Organics by GC/MS

SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|-----------------------------|--------|---------|------|----|-------|---------------|------|
| Acenaphthylene | < 0.01 | 0.00207 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Aniline | < 0.01 | 0.00413 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Anthracene | < 0.01 | 0.0023 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzo(a)anthracene | < 0.01 | 0.00313 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzo(a)pyrene | < 0.01 | 0.00298 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzo(b)fluoranthene | < 0.01 | 0.0037 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzo(g,h,i)perylene | < 0.01 | 0.00294 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzo(k)fluoranthene | < 0.01 | 0.00195 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Benzoic acid | < 0.02 | 0.00871 | 0.02 | 1 | mg/L | 11-Nov-19 | |
| Benzyl alcohol | < 0.01 | 0.0027 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Bis(2-chloroethoxy)methane | < 0.01 | 0.00289 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Bis(2-chloroethyl)ether | < 0.01 | 0.00234 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Bis(2-chloroisopropyl)ether | < 0.01 | 0.0036 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Bis(2-ethylhexyl)phthalate | < 0.01 | 0.0026 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Butyl benzyl phthalate | < 0.01 | 0.0034 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Carbazole | < 0.02 | 0.00677 | 0.02 | 1 | mg/L | 11-Nov-19 | |
| Chrysene | < 0.01 | 0.00331 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Di-n-butyl phthalate | < 0.01 | 0.00382 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Di-n-octyl phthalate | < 0.01 | 0.00275 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Dibenz(a,h)anthracene | < 0.01 | 0.00182 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Dibenzofuran | < 0.01 | 0.00172 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Diethyl phthalate | < 0.01 | 0.00289 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Dimethyl phthalate | < 0.01 | 0.00286 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Fluoranthene | < 0.01 | 0.00213 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Fluorene | < 0.01 | 0.00217 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Hexachlorobenzene | < 0.01 | 0.00171 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Hexachlorobutadiene | < 0.01 | 0.00214 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Hexachlorocyclopentadiene | < 0.01 | 0.00216 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Hexachloroethane | < 0.01 | 0.00282 | 0.01 | 1 | mg/L | 11-Nov-19 | |

Approved by:

Report of Laboratory Analysis

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.

NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-05A
Analyst: SUB

Client Sample ID OW-5 PDR 65F

Semi-volatile Organics by GC/MS

SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|---------------------------|--------|---------|------|----|-------|---------------|------|
| Indeno(1,2,3-cd)pyrene | < 0.01 | 0.00297 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Isophorone | < 0.01 | 0.00399 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| N-Nitrosodi-n-propylamine | < 0.01 | 0.00354 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| N-Nitrosodimethylamine | < 0.01 | 0.00236 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| N-Nitrosodiphenylamine | < 0.01 | 0.00258 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Naphthalene | < 0.01 | 0.00186 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Nitrobenzene | < 0.01 | 0.00324 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Pentachlorobenzene | < 0.01 | 0.0025 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Pentachloronitrobenzene | < 0.01 | 0.002 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Pentachlorophenol | < 0.01 | 0.0036 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Phenanthrene | < 0.01 | 0.00114 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Phenol | < 0.01 | 0.00386 | 0.01 | 1 | mg/L | 11-Nov-19 | |
| Pyrene | < 0.01 | 0.00205 | 0.01 | 1 | mg/L | 11-Nov-19 | |

Surrogate Recoveries

| Analyte | Recovery | Control Limits |
|----------------------|----------|----------------|
| 2,4,6-Tribromophenol | 82% | 11 — 143 |
| 2-Fluorobiphenyl | 64% | 49 — 105 |
| 2-Fluorophenol | 40% | 28 — 83 |
| Nitrobenzene-d5 | 67% | 36 — 122 |
| Phenol-d5 | 41% | 10 — 85 |
| Terphenyl-d14 | 111% | 10 — 176 |

For Surrogates: 0 = Dil. Out

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
 Work Order: 1911019
 Project Name: BioGrass Extra

Date: 31-Dec-19
 Date Received: 05-Nov-19
 Collection Date: 05-Nov-19
 Preparation Date: 11-Dec-19
 Matrix: WATER
 Lab ID: 1911019-08A
 Analyst: SUB

Client Sample ID OW-2 SW Delphin 80F, After

Semi-volatile Organics by GC/MS SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|------------------------------|--------|---------|------|----|-------|---------------|------|
| 1,2,4,5-Tetrachlorobenzene | < 0.02 | 0.00308 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 1,2,4-Trichlorobenzene | < 0.02 | 0.0041 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 1,2-Dichlorobenzene | < 0.02 | 0.00276 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 1,3-Dichlorobenzene | < 0.02 | 0.00718 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 1,4-Dichlorobenzene | < 0.02 | 0.00564 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,4,5-Trichlorophenol | < 0.02 | 0.0044 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,4,6-Trichlorophenol | < 0.02 | 0.00294 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,4-Dichlorophenol | < 0.02 | 0.00592 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,4-Dimethylphenol | < 0.02 | 0.00636 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,4-Dinitrophenol | < 0.02 | 0.00484 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,4-Dinitrotoluene | < 0.02 | 0.00212 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,6-Dichlorophenol | < 0.02 | 0.00504 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,6-Dinitrotoluene | < 0.02 | 0.00418 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2-Chloronaphthalene | < 0.02 | 0.00444 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2-Chlorophenol | < 0.02 | 0.00542 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2-Methylnaphthalene | 7.32 | 0.00458 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2-Methylphenol | < 0.02 | 0.00522 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2-Nitroaniline | < 0.02 | 0.0053 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2-Nitrophenol | < 0.02 | 0.00514 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 3-Nitroaniline | < 0.02 | 0.00512 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4,6-Dinitro-2-methylphenol | < 0.02 | 0.0137 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4-Bromo phenyl phenyl ether | < 0.02 | 0.00594 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4-Chloro-3-methylphenol | < 0.02 | 0.00734 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4-Chloroaniline | < 0.02 | 0.00844 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4-Chloro phenyl phenyl ether | < 0.02 | 0.00426 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4-Methylphenol | < 0.02 | 0.00816 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4-Nitroaniline | < 0.02 | 0.0056 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4-Nitrophenol | < 0.02 | 0.0062 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Acenaphthene | < 0.02 | 0.00596 | 0.02 | 2 | mg/L | 11-Dec-19 | |

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date: 05-Nov-19
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-08A
Analyst: SUB

Client Sample ID OW-2 SW Delphin 80F, After

Semi-volatile Organics by GC/MS SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|-----------------------------|--------|---------|------|----|-------|---------------|------|
| Acenaphthylene | < 0.02 | 0.00414 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Aniline | < 0.02 | 0.00826 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Anthracene | < 0.02 | 0.0046 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Benzo(a)anthracene | < 0.02 | 0.00626 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Benzo(a)pyrene | < 0.02 | 0.00596 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Benzo(b)fluoranthene | < 0.02 | 0.0074 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Benzo(g,h,i)perylene | < 0.02 | 0.00588 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Benzo(k)fluoranthene | < 0.02 | 0.0039 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Benzoic acid | < 0.04 | 0.0174 | 0.04 | 2 | mg/L | 11-Dec-19 | |
| Benzyl alcohol | < 0.02 | 0.0054 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Bis(2-chloroethoxy)methane | < 0.02 | 0.00578 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Bis(2-chloroethyl)ether | < 0.02 | 0.00468 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Bis(2-chloroisopropyl)ether | < 0.02 | 0.0072 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Bis(2-ethylhexyl)phthalate | < 0.02 | 0.0052 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Butyl benzyl phthalate | < 0.02 | 0.0068 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Carbazole | < 0.04 | 0.0135 | 0.04 | 2 | mg/L | 11-Dec-19 | |
| Chrysene | < 0.02 | 0.00662 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Di-n-butyl phthalate | < 0.02 | 0.00764 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Di-n-octyl phthalate | < 0.02 | 0.0055 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Dibenz(a,h)anthracene | < 0.02 | 0.00364 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Dibenzofuran | < 0.02 | 0.00344 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Diethyl phthalate | < 0.02 | 0.00578 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Dimethyl phthalate | < 0.02 | 0.00572 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Fluoranthene | < 0.02 | 0.00426 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Fluorene | 0.4 | 0.00434 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Hexachlorobenzene | < 0.02 | 0.00342 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Hexachlorobutadiene | < 0.02 | 0.00428 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Hexachlorocyclopentadiene | < 0.02 | 0.00432 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Hexachloroethane | < 0.02 | 0.00564 | 0.02 | 2 | mg/L | 11-Dec-19 | |

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date: 05-Nov-19
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-08A
Analyst: SUB

Client Sample ID OW-2 SW Delphin 80F, After

Semi-volatile Organics by GC/MS SW8270C

Table with 8 columns: Analyte, Result, MDL, PQL, DF, Units, Date Analyzed, Qual. Lists various organic compounds and their detection results.

Surrogate Recoveries

Table with 3 columns: Analyte, Recovery, Control Limits. Lists surrogate compounds and their recovery percentages.

For Surrogates: 0 = Dil. Out

Approved by:

Handwritten signature

Report of Laboratory Analysis

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client.



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-09A
Analyst: SUB

Client Sample ID OW-4 SW-PW 70F, After

Semi-volatile Organics by GC/MS

SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|------------------------------|--------|---------|------|----|-------|---------------|------|
| 1,2,4,5-Tetrachlorobenzene | < 0.02 | 0.00308 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 1,2,4-Trichlorobenzene | < 0.02 | 0.0041 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 1,2-Dichlorobenzene | < 0.02 | 0.00276 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 1,3-Dichlorobenzene | < 0.02 | 0.00718 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 1,4-Dichlorobenzene | < 0.02 | 0.00564 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,4,5-Trichlorophenol | < 0.02 | 0.0044 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,4,6-Trichlorophenol | < 0.02 | 0.00294 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,4-Dichlorophenol | < 0.02 | 0.00592 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,4-Dimethylphenol | < 0.02 | 0.00636 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,4-Dinitrophenol | < 0.02 | 0.00484 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,4-Dinitrotoluene | < 0.02 | 0.00212 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,6-Dichlorophenol | < 0.02 | 0.00504 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2,6-Dinitrotoluene | < 0.02 | 0.00418 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2-Chloronaphthalene | < 0.02 | 0.00444 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2-Chlorophenol | < 0.02 | 0.00542 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2-Methylnaphthalene | 46.2 | 0.00458 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2-Methylphenol | < 0.02 | 0.00522 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2-Nitroaniline | < 0.02 | 0.0053 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 2-Nitrophenol | < 0.02 | 0.00514 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 3-Nitroaniline | < 0.02 | 0.00512 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4,6-Dinitro-2-methylphenol | < 0.02 | 0.0137 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4-Bromo phenyl phenyl ether | < 0.02 | 0.00594 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4-Chloro-3-methylphenol | < 0.02 | 0.00734 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4-Chloroaniline | < 0.02 | 0.00844 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4-Chloro phenyl phenyl ether | < 0.02 | 0.00426 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4-Methylphenol | < 0.02 | 0.00816 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4-Nitroaniline | < 0.02 | 0.0056 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| 4-Nitrophenol | < 0.02 | 0.0062 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Acenaphthene | < 0.02 | 0.00596 | 0.02 | 2 | mg/L | 11-Dec-19 | |

Approved by: 

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
 Work Order: 1911019
 Project Name: BioGrass Extra

Date: 31-Dec-19
 Date Received: 05-Nov-19
 Collection Date:
 Preparation Date: 11-Dec-19
 Matrix: WATER
 Lab ID: 1911019-09A
 Analyst: SUB

Client Sample ID OW-4 SW-PW 70F, After

Semi-volatile Organics by GC/MS

SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|-----------------------------|--------|---------|------|----|-------|---------------|------|
| Acenaphthylene | < 0.02 | 0.00414 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Aniline | < 0.02 | 0.00826 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Anthracene | 12.6 | 0.0046 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Benzo(a)anthracene | < 0.02 | 0.00626 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Benzo(a)pyrene | < 0.02 | 0.00596 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Benzo(b)fluoranthene | < 0.02 | 0.0074 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Benzo(g,h,i)perylene | < 0.02 | 0.00588 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Benzo(k)fluoranthene | < 0.02 | 0.0039 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Benzoic acid | < 0.04 | 0.0174 | 0.04 | 2 | mg/L | 11-Dec-19 | |
| Benzyl alcohol | < 0.02 | 0.0054 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Bis(2-chloroethoxy)methane | < 0.02 | 0.00578 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Bis(2-chloroethyl)ether | < 0.02 | 0.00468 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Bis(2-chloroisopropyl)ether | < 0.02 | 0.0072 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Bis(2-ethylhexyl)phthalate | < 0.02 | 0.0052 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Butyl benzyl phthalate | < 0.02 | 0.0068 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Carbazole | < 0.04 | 0.0135 | 0.04 | 2 | mg/L | 11-Dec-19 | |
| Chrysene | < 0.02 | 0.00662 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Di-n-butyl phthalate | < 0.02 | 0.00764 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Di-n-octyl phthalate | < 0.02 | 0.0055 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Dibenz(a,h)anthracene | < 0.02 | 0.00364 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Dibenzofuran | < 0.02 | 0.00344 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Diethyl phthalate | < 0.02 | 0.00578 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Dimethyl phthalate | < 0.02 | 0.00572 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Fluoranthene | 0.5 | 0.00426 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Fluorene | < 0.02 | 0.00434 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Hexachlorobenzene | < 0.02 | 0.00342 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Hexachlorobutadiene | < 0.02 | 0.00428 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Hexachlorocyclopentadiene | < 0.02 | 0.00432 | 0.02 | 2 | mg/L | 11-Dec-19 | |
| Hexachloroethane | < 0.02 | 0.00564 | 0.02 | 2 | mg/L | 11-Dec-19 | |

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-09A
Analyst: SUB

Client Sample ID OW-4 SW-PW 70F, After

Semi-volatile Organics by GC/MS SW8270C

Table with 8 columns: Analyte, Result, MDL, PQL, DF, Units, Date Analyzed, Qual. Lists various organic compounds and their detection results.

Surrogate Recoveries

Table with 3 columns: Analyte, Recovery, Control Limits. Lists surrogate compounds and their recovery percentages.

For Surrogates: 0 = Dil. Out

Approved by: [Signature]

Report of Laboratory Analysis

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ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-10A
Analyst: SUB

Client Sample ID OW-5 PDR 65F

Semi-volatile Organics by GC/MS

SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|------------------------------|--------|---------|------|----|-------|---------------|------|
| 1,2,4,5-Tetrachlorobenzene | < 0.01 | 0.00154 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 1,2,4-Trichlorobenzene | < 0.01 | 0.00205 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 1,2-Dichlorobenzene | < 0.01 | 0.00138 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 1,3-Dichlorobenzene | < 0.01 | 0.00359 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 1,4-Dichlorobenzene | < 0.01 | 0.00282 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,4,5-Trichlorophenol | < 0.01 | 0.0022 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,4,6-Trichlorophenol | < 0.01 | 0.00147 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,4-Dichlorophenol | < 0.01 | 0.00296 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,4-Dimethylphenol | < 0.01 | 0.00318 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,4-Dinitrophenol | < 0.01 | 0.00242 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,4-Dinitrotoluene | < 0.01 | 0.00106 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,6-Dichlorophenol | < 0.01 | 0.00252 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,6-Dinitrotoluene | < 0.01 | 0.00209 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2-Chloronaphthalene | < 0.01 | 0.00222 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2-Chlorophenol | < 0.01 | 0.00271 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2-Methylnaphthalene | < 0.01 | 0.00229 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2-Methylphenol | < 0.01 | 0.00261 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2-Nitroaniline | < 0.01 | 0.00265 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2-Nitrophenol | < 0.01 | 0.00257 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 3-Nitroaniline | < 0.01 | 0.00256 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4,6-Dinitro-2-methylphenol | < 0.01 | 0.00683 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4-Bromo phenyl phenyl ether | < 0.01 | 0.00297 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4-Chloro-3-methylphenol | < 0.01 | 0.00367 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4-Chloroaniline | < 0.01 | 0.00422 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4-Chloro phenyl phenyl ether | < 0.01 | 0.00213 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4-Methylphenol | < 0.01 | 0.00408 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4-Nitroaniline | < 0.01 | 0.0028 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4-Nitrophenol | < 0.01 | 0.0031 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Acenaphthene | < 0.01 | 0.00298 | 0.01 | 1 | mg/L | 11-Dec-19 | |

Approved by:

Report of Laboratory Analysis

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.

NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
 Work Order: 1911019
 Project Name: BioGrass Extra

Date: 31-Dec-19
 Date Received: 05-Nov-19
 Collection Date:
 Preparation Date: 11-Dec-19
 Matrix: WATER
 Lab ID: 1911019-10A
 Analyst: SUB

Client Sample ID OW-5 PDR 65F

Semi-volatile Organics by GC/MS

SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|-----------------------------|--------|---------|------|----|-------|---------------|------|
| Acenaphthylene | < 0.01 | 0.00207 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Aniline | < 0.01 | 0.00413 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Anthracene | < 0.01 | 0.0023 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Benzo(a)anthracene | < 0.01 | 0.00313 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Benzo(a)pyrene | < 0.01 | 0.00298 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Benzo(b)fluoranthene | < 0.01 | 0.0037 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Benzo(g,h,i)perylene | < 0.01 | 0.00294 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Benzo(k)fluoranthene | < 0.01 | 0.00195 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Benzoic acid | < 0.02 | 0.00871 | 0.02 | 1 | mg/L | 11-Dec-19 | |
| Benzyl alcohol | < 0.01 | 0.0027 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Bis(2-chloroethoxy)methane | < 0.01 | 0.00289 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Bis(2-chloroethyl)ether | < 0.01 | 0.00234 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Bis(2-chloroisopropyl)ether | < 0.01 | 0.0036 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Bis(2-ethylhexyl)phthalate | < 0.01 | 0.0026 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Butyl benzyl phthalate | < 0.01 | 0.0034 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Carbazole | < 0.02 | 0.00677 | 0.02 | 1 | mg/L | 11-Dec-19 | |
| Chrysene | < 0.01 | 0.00331 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Di-n-butyl phthalate | < 0.01 | 0.00382 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Di-n-octyl phthalate | < 0.01 | 0.00275 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Dibenz(a,h)anthracene | < 0.01 | 0.00182 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Dibenzofuran | < 0.01 | 0.00172 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Diethyl phthalate | < 0.01 | 0.00289 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Dimethyl phthalate | < 0.01 | 0.00286 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Fluoranthene | < 0.01 | 0.00213 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Fluorene | < 0.01 | 0.00217 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Hexachlorobenzene | < 0.01 | 0.00171 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Hexachlorobutadiene | < 0.01 | 0.00214 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Hexachlorocyclopentadiene | < 0.01 | 0.00216 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Hexachloroethane | < 0.01 | 0.00282 | 0.01 | 1 | mg/L | 11-Dec-19 | |

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-10A
Analyst: SUB

Client Sample ID OW-5 PDR 65F

Semi-volatile Organics by GC/MS

SW8270C

Table with 8 columns: Analyte, Result, MDL, PQL, DF, Units, Date Analyzed, Qual. Lists various organic compounds and their detection results.

Surrogate Recoveries

Table with 3 columns: Analyte, Recovery, Control Limits. Shows recovery percentages for various surrogate compounds.

For Surrogates: 0 = Dil. Out

Approved by:

Handwritten signature

Report of Laboratory Analysis

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client.



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-11A
Analyst: SUB

Client Sample ID Biograss Extract

Semi-volatile Organics by GC/MS

SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|------------------------------|--------|---------|------|----|-------|---------------|------|
| 1,2,4,5-Tetrachlorobenzene | < 0.01 | 0.00154 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 1,2,4-Trichlorobenzene | < 0.01 | 0.00205 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 1,2-Dichlorobenzene | < 0.01 | 0.00138 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 1,3-Dichlorobenzene | < 0.01 | 0.00359 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 1,4-Dichlorobenzene | < 0.01 | 0.00282 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,4,5-Trichlorophenol | < 0.01 | 0.0022 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,4,6-Trichlorophenol | < 0.01 | 0.00147 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,4-Dichlorophenol | < 0.01 | 0.00296 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,4-Dimethylphenol | < 0.01 | 0.00318 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,4-Dinitrophenol | < 0.01 | 0.00242 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,4-Dinitrotoluene | < 0.01 | 0.00106 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,6-Dichlorophenol | < 0.01 | 0.00252 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2,6-Dinitrotoluene | < 0.01 | 0.00209 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2-Chloronaphthalene | < 0.01 | 0.00222 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2-Chlorophenol | < 0.01 | 0.00271 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2-Methylnaphthalene | < 0.01 | 0.00229 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2-Methylphenol | < 0.01 | 0.00261 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2-Nitroaniline | < 0.01 | 0.00265 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 2-Nitrophenol | < 0.01 | 0.00257 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 3-Nitroaniline | < 0.01 | 0.00256 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4,6-Dinitro-2-methylphenol | < 0.01 | 0.00683 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4-Bromo phenyl phenyl ether | < 0.01 | 0.00297 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4-Chloro-3-methylphenol | < 0.01 | 0.00367 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4-Chloroaniline | < 0.01 | 0.00422 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4-Chloro phenyl phenyl ether | < 0.01 | 0.00213 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4-Methylphenol | < 0.01 | 0.00408 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4-Nitroaniline | < 0.01 | 0.0028 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| 4-Nitrophenol | < 0.01 | 0.0031 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Acenaphthene | < 0.01 | 0.00298 | 0.01 | 1 | mg/L | 11-Dec-19 | |

Approved by:

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra


Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-11A
Analyst: SUB

Client Sample ID Biograss Extract

Semi-volatile Organics by GC/MS

SW8270C

| Analyte | Result | MDL | PQL | DF | Units | Date Analyzed | Qual |
|-----------------------------|--------|---------|------|----|-------|---------------|------|
| Acenaphthylene | < 0.01 | 0.00207 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Aniline | < 0.01 | 0.00413 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Anthracene | < 0.01 | 0.0023 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Benzo(a)anthracene | < 0.01 | 0.00313 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Benzo(a)pyrene | < 0.01 | 0.00298 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Benzo(b)fluoranthene | < 0.01 | 0.0037 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Benzo(g,h,i)perylene | < 0.01 | 0.00294 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Benzo(k)fluoranthene | < 0.01 | 0.00195 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Benzoic acid | < 0.02 | 0.00871 | 0.02 | 1 | mg/L | 11-Dec-19 | |
| Benzyl alcohol | < 0.01 | 0.0027 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Bis(2-chloroethoxy)methane | < 0.01 | 0.00289 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Bis(2-chloroethyl)ether | < 0.01 | 0.00234 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Bis(2-chloroisopropyl)ether | < 0.01 | 0.0036 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Bis(2-ethylhexyl)phthalate | < 0.01 | 0.0026 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Butyl benzyl phthalate | < 0.01 | 0.0034 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Carbazole | < 0.02 | 0.00677 | 0.02 | 1 | mg/L | 11-Dec-19 | |
| Chrysene | < 0.01 | 0.00331 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Di-n-butyl phthalate | 0.13 | 0.00382 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Di-n-octyl phthalate | < 0.01 | 0.00275 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Dibenz(a,h)anthracene | < 0.01 | 0.00182 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Dibenzofuran | < 0.01 | 0.00172 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Diethyl phthalate | < 0.01 | 0.00289 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Dimethyl phthalate | < 0.01 | 0.00286 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Fluoranthene | < 0.01 | 0.00213 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Fluorene | < 0.01 | 0.00217 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Hexachlorobenzene | < 0.01 | 0.00171 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Hexachlorobutadiene | < 0.01 | 0.00214 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Hexachlorocyclopentadiene | < 0.01 | 0.00216 | 0.01 | 1 | mg/L | 11-Dec-19 | |
| Hexachloroethane | < 0.01 | 0.00282 | 0.01 | 1 | mg/L | 11-Dec-19 | |

Approved by: 

Report of Laboratory Analysis

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NELAP Certificate# San Antonio : T104704367-17-9



Client: HDR Engineering
Work Order: 1911019
Project Name: BioGrass Extra

Date: 31-Dec-19
Date Received: 05-Nov-19
Collection Date:
Preparation Date: 11-Dec-19
Matrix: WATER
Lab ID: 1911019-11A
Analyst: SUB

Client Sample ID Biograss Extract

Semi-volatile Organics by GC/MS

SW8270C

Table with 8 columns: Analyte, Result, MDL, PQL, DF, Units, Date Analyzed, Qual. Rows include various organic compounds like Indeno(1,2,3-cd)pyrene, Isophorone, N-Nitrosodi-n-propylamine, etc.

Surrogate Recoveries

Table with 3 columns: Analyte, Recovery, Control Limits. Rows include 2,4,6-Tribromophenol, 2-Fluorobiphenyl, 2-Fluorophenol, Nitrobenzene-d5, Phenol-d5, Terphenyl-d14.

For Surrogates: 0 = Dil. Out

Approved by:

Handwritten signature

Report of Laboratory Analysis

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.

CLIENT: HDR Engineering

Work Order: 1911019

Project: BioGrass Extra

QC SUMMARY REPORT

| Analyte | %REC | | | | | %REC | | RPD | | Low - High | | RPD | | | |
|-------------------------------------|---|-----------|--------------------|------|-------|----------------------------------|----|-----|---|------------------------------|----------|--------|-----|---|-------|
| | BLK | SPK value | LCS | LCSD | RPD % | RPD Limit | MS | MSD | % | Limit | Limit | Parent | DUP | % | Limit |
| Batch ID: 8260B_W-11/19/2019 | TestName: Volatile Organics by GC/MS | | | | | | | | | | | | | | |
| Run ID: MISC_191119B | Test Code: SW8260B | | Units: mg/L | | | Analysis Date: 11/19/2019 | | | | Prep Date: 11/19/2019 | | | | | |
| 1,1,1,2-Tetrachloroethane | <0.005 | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.005 | 0.02 | 119.5% | | | | | | | | 66 - 132 | | | | |
| 1,1,2,2-Tetrachloroethane | <0.005 | | | | | | | | | | | | | | |
| 1,1,2-Trichloroethane | <0.005 | | | | | | | | | | | | | | |
| 1,1-Dichloroethane | <0.005 | | | | | | | | | | | | | | |
| 1,1-Dichloroethene | <0.005 | 0.02 | 116.5% | | | | | | | | 64 - 144 | | | | |
| 1,1-Dichloropropene | <0.005 | | | | | | | | | | | | | | |
| 1,2,3-Trichlorobenzene | <0.005 | | | | | | | | | | | | | | |
| 1,2,3-Trichloropropane | <0.005 | | | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | <0.005 | | | | | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <0.005 | | | | | | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | <0.005 | | | | | | | | | | | | | | |
| 1,2-Dibromoethane | <0.005 | | | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | <0.005 | | | | | | | | | | | | | | |
| 1,2-Dichloroethane | <0.005 | | | | | | | | | | | | | | |
| 1,2-Dichloropropane | <0.005 | | | | | | | | | | | | | | |
| 1,3,5-Trimethylbenzene | <0.005 | | | | | | | | | | | | | | |
| 1,3-Dichlorobenzene | <0.005 | | | | | | | | | | | | | | |
| 1,3-Dichloropropane | <0.005 | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | <0.005 | | | | | | | | | | | | | | |
| 2,2-Dichloropropane | <0.005 | | | | | | | | | | | | | | |
| 2-Butanone | <0.02 | | | | | | | | | | | | | | |
| 2-Chlorotoluene | <0.005 | | | | | | | | | | | | | | |
| 2-Hexanone | <0.01 | | | | | | | | | | | | | | |
| 4-Chlorotoluene | <0.005 | | | | | | | | | | | | | | |
| 4-Isopropyltoluene | <0.005 | | | | | | | | | | | | | | |
| 4-Methyl-2-pentanone | <0.01 | | | | | | | | | | | | | | |
| Acetone | <0.02 | | | | | | | | | | | | | | |

Approved by:

Laboratory QC Report

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.

NELAP Certificate# San Antonio : T104704367-17-9

CLIENT: HDR Engineering

Work Order: 1911019

Project: BioGrass Extra

QC SUMMARY REPORT

| Analyte | BLK | %REC | | | %REC | | RPD | | Low - High | | RPD | | | | | | |
|-------------------------|--------|-----------|--------|------|-------|-----------|-----|-----|------------|-------|-------|--------|----------|---|-------|--|--|
| | | SPK value | LCS | LCSD | RPD % | RPD Limit | MS | MSD | % | Limit | Limit | Parent | DUP | % | Limit | | |
| Benzene | <0.005 | 0.02 | 104.5% | | | | | | | | | | 57 - 138 | | | | |
| Bromobenzene | <0.005 | | | | | | | | | | | | | | | | |
| Bromochloromethane | <0.005 | | | | | | | | | | | | | | | | |
| Bromodichloromethane | <0.005 | | | | | | | | | | | | | | | | |
| Bromoform | <0.005 | | | | | | | | | | | | | | | | |
| Bromomethane | <0.005 | | | | | | | | | | | | | | | | |
| Carbon disulfide | <0.005 | | | | | | | | | | | | | | | | |
| Carbon tetrachloride | <0.005 | | | | | | | | | | | | | | | | |
| Chlorobenzene | <0.005 | 0.02 | 109.5% | | | | | | | | | | 56 - 141 | | | | |
| Chloroethane | <0.005 | | | | | | | | | | | | | | | | |
| Chloroform | <0.005 | | | | | | | | | | | | | | | | |
| Chloromethane | <0.005 | | | | | | | | | | | | | | | | |
| cis-1,2-Dichloroethene | <0.005 | | | | | | | | | | | | | | | | |
| cis-1,3-Dichloropropene | <0.005 | | | | | | | | | | | | | | | | |
| Dibromochloromethane | <0.005 | | | | | | | | | | | | | | | | |
| Dibromomethane | <0.005 | | | | | | | | | | | | | | | | |
| Dichlorodifluoromethane | <0.005 | | | | | | | | | | | | | | | | |
| Ethylbenzene | <0.005 | | | | | | | | | | | | | | | | |
| Hexachlorobutadiene | <0.005 | | | | | | | | | | | | | | | | |
| Isopropylbenzene | <0.005 | | | | | | | | | | | | | | | | |
| m,p-Xylenes | <0.01 | | | | | | | | | | | | | | | | |
| Methyl tert-butyl ether | <0.005 | 0.02 | 111.0% | | | | | | | | | | 48 - 149 | | | | |
| Methylene chloride | <0.02 | | | | | | | | | | | | | | | | |
| n-Butylbenzene | <0.005 | | | | | | | | | | | | | | | | |
| n-Propylbenzene | <0.005 | | | | | | | | | | | | | | | | |
| o-Xylene | <0.005 | | | | | | | | | | | | | | | | |
| sec-Butylbenzene | <0.005 | | | | | | | | | | | | | | | | |
| Styrene | <0.005 | | | | | | | | | | | | | | | | |
| tert-Butylbenzene | <0.005 | | | | | | | | | | | | | | | | |
| Tetrachloroethene | <0.005 | | | | | | | | | | | | | | | | |
| Toluene | <0.005 | 0.02 | 104.0% | | | | | | | | | | 64 - 139 | | | | |

Approved by:

Laboratory QC Report

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NELAP Certificate# San Antonio : T104704367-17-9

CLIENT: HDR Engineering

Work Order: 1911019

Project: BioGrass Extra

QC SUMMARY REPORT

| Analyte | BLK | SPK value | %REC | | | | %REC | | RPD | | Low - High | | RPD | | |
|-------------------------------------|---------|--------------------------------------|--------|--------|-------|--------------------|------|----------------------------------|-----|-------|------------------------------|--------|-----|---|-------|
| | | | LCS | LCSD | RPD % | RPD Limit | MS | MSD | % | Limit | Limit | Parent | DUP | % | Limit |
| trans-1,2-Dichloroethene | <0.005 | | | | | | | | | | | | | | |
| trans-1,3-Dichloropropene | <0.005 | | | | | | | | | | | | | | |
| Trichloroethene | <0.005 | 0.02 | 112.0% | | | | | | | | 64 - 135 | | | | |
| Trichlorofluoromethane | <0.005 | | | | | | | | | | | | | | |
| Vinyl chloride | <0.002 | | | | | | | | | | | | | | |
| 2-Chloroethylvinylether | <0.005 | | | | | | | | | | | | | | |
| Vinyl acetate | <0.005 | | | | | | | | | | | | | | |
| Xylenes, Total | <0.015 | | | | | | | | | | | | | | |
| Batch ID: HG_R_W-11/12/2019 | | TestName: MERCURY, TOTAL | | | | | | | | | | | | | |
| Run ID: HG_191112B | | Test Code: SW7470A | | | | Units: mg/L | | Analysis Date: 11/12/2019 | | | Prep Date: 11/12/2019 | | | | |
| Mercury | <0.0002 | 0.005 | 98.0% | 98.0% | 0.000 | 15.0 | | | | | 77 - 120 | | | | |
| Batch ID: RCRA7_W-11/12/2019 | | TestName: METALS- RCRA, Total | | | | | | | | | | | | | |
| Run ID: ICP_191112B | | Test Code: SW6010B | | | | Units: mg/L | | Analysis Date: 11/12/2019 | | | Prep Date: 11/11/2019 | | | | |
| Arsenic | <0.01 | 1 | 101.0% | 104.0% | 3.000 | 20.0 | | | | | 80 - 120 | | | | |
| Barium | <0.011 | 1 | 102.0% | 100.0% | 2.000 | 20.0 | | | | | 80 - 120 | | | | |
| Cadmium | <0.0033 | 1 | 111.0% | 109.0% | 2.000 | 20.0 | | | | | 80 - 120 | | | | |
| Chromium | <0.0088 | 1 | 104.6% | 106.0% | 1.000 | 20.0 | | | | | 80 - 120 | | | | |
| Lead | <0.015 | 1 | 103.0% | 108.0% | 5.000 | 20.0 | | | | | 80 - 120 | | | | |
| Selenium | | 1 | 89.0% | 87.0% | 2.000 | 20.0 | | | | | 80 - 120 | | | | |
| Silver | <0.012 | 1 | 105.0% | 105.0% | 0.000 | 20.0 | | | | | 80 - 120 | | | | |

Approved by:

Laboratory QC Report

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NELAP Certificate# San Antonio : T104704367-17-9

CLIENT: HDR Engineering

Work Order: 1911019

Project: BioGrass Extra

QC SUMMARY REPORT

| Analyte | %REC | | | | %REC | | RPD | | Low - High | | RPD | | | | |
|--------------------------------|--|-----------|--------------------|------|-------|--|-----|-----|--------------------------------------|-------|----------|--------|-----|---|-------|
| | BLK | SPK value | LCS | LCSD | RPD % | RPD Limit | MS | MSD | % | Limit | Limit | Parent | DUP | % | Limit |
| Batch ID: SVOC1_191211B | TestName: Semi-volatile Organics by GC/MS | | | | | | | | | | | | | | |
| Run ID: SVOC1_191211B | Test Code: SW8270C | | Units: mg/L | | | Analysis Date: 12/11/2019 12:15:00 PM | | | Prep Date: 12/11/2019 9:00:00 | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | <0.01 | | | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | <0.01 | 0.05 | 77.4% | | | | | | | | 30 - 134 | | | | |
| 1,2-Dichlorobenzene | <0.01 | | | | | | | | | | | | | | |
| 1,3-Dichlorobenzene | <0.01 | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | <0.01 | 0.05 | 63.6% | | | | | | | | 37 - 117 | | | | |
| 2,4,5-Trichlorophenol | <0.01 | | | | | | | | | | | | | | |
| 2,4,6-Trichlorophenol | <0.01 | | | | | | | | | | | | | | |
| 2,4-Dichlorophenol | <0.01 | | | | | | | | | | | | | | |
| 2,4-Dimethylphenol | <0.01 | | | | | | | | | | | | | | |
| 2,4-Dinitrophenol | <0.01 | | | | | | | | | | | | | | |
| 2,4-Dinitrotoluene | <0.01 | 0.05 | 90.8% | | | | | | | | 49 - 155 | | | | |
| 2,6-Dichlorophenol | <0.01 | | | | | | | | | | | | | | |
| 2,6-Dinitrotoluene | <0.01 | | | | | | | | | | | | | | |
| 2-Chloronaphthalene | <0.01 | | | | | | | | | | | | | | |
| 2-Chlorophenol | <0.01 | 0.05 | 58.8% | | | | | | | | 58 - 115 | | | | |
| 2-Methylnaphthalene | <0.01 | | | | | | | | | | | | | | |
| 2-Methylphenol | <0.01 | | | | | | | | | | | | | | |
| 2-Nitroaniline | <0.01 | | | | | | | | | | | | | | |
| 2-Nitrophenol | <0.01 | | | | | | | | | | | | | | |
| 3-Nitroaniline | <0.01 | | | | | | | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | <0.01 | | | | | | | | | | | | | | |
| 4-Bromo phenyl phenyl ether | <0.01 | | | | | | | | | | | | | | |
| 4-Chloro-3-methylphenol | <0.01 | 0.05 | 57.6% | | | | | | | | 44 - 138 | | | | |
| 4-Chloroaniline | <0.01 | | | | | | | | | | | | | | |
| 4-Chloro phenyl phenyl ether | <0.01 | | | | | | | | | | | | | | |
| 4-Methylphenol | <0.01 | | | | | | | | | | | | | | |
| 4-Nitroaniline | <0.01 | | | | | | | | | | | | | | |
| 4-Nitrophenol | <0.01 | 0.05 | 35.8% | | | | | | | | 10 - 156 | | | | |

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NELAP Certificate# San Antonio : T104704367-17-9

CLIENT: HDR Engineering

Work Order: 1911019

Project: BioGrass Extra

QC SUMMARY REPORT

| Analyte | BLK | %REC | | | | %REC | | RPD | | Low - High | | RPD | | | | |
|-----------------------------|-------|-----------|-------|------|-------|-----------|----|-----|---|------------|----------|--------|-----|---|-------|--|
| | | SPK value | LCS | LCSD | RPD % | RPD Limit | MS | MSD | % | Limit | Limit | Parent | DUP | % | Limit | |
| Acenaphthene | <0.01 | | | | | | | | | | | | | | | |
| Acenaphthylene | <0.01 | 0.05 | 77.6% | | | | | | | | 58 - 122 | | | | | |
| Aniline | <0.01 | | | | | | | | | | | | | | | |
| Anthracene | <0.01 | | | | | | | | | | | | | | | |
| Benzo(a)anthracene | <0.01 | | | | | | | | | | | | | | | |
| Benzo(a)pyrene | <0.01 | | | | | | | | | | | | | | | |
| Benzo(b)fluoranthene | <0.01 | | | | | | | | | | | | | | | |
| Benzo(g,h,i)perylene | <0.01 | | | | | | | | | | | | | | | |
| Benzo(k)fluoranthene | <0.01 | | | | | | | | | | | | | | | |
| Benzoic acid | <0.02 | | | | | | | | | | | | | | | |
| Benzyl alcohol | <0.01 | | | | | | | | | | | | | | | |
| Bis(2-chloroethoxy)methane | <0.01 | | | | | | | | | | | | | | | |
| Bis(2-chloroethyl)ether | <0.01 | | | | | | | | | | | | | | | |
| Bis(2-chloroisopropyl)ether | <0.01 | | | | | | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.01 | | | | | | | | | | | | | | | |
| Butyl benzyl phthalate | <0.01 | | | | | | | | | | | | | | | |
| Carbazole | <0.02 | | | | | | | | | | | | | | | |
| Chrysene | <0.01 | | | | | | | | | | | | | | | |
| Di-n-butyl phthalate | <0.01 | | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | <0.01 | | | | | | | | | | | | | | | |
| Dibenz(a,h)anthracene | <0.01 | | | | | | | | | | | | | | | |
| Dibenzofuran | <0.01 | | | | | | | | | | | | | | | |
| Diethyl phthalate | <0.01 | | | | | | | | | | | | | | | |
| Dimethyl phthalate | <0.01 | | | | | | | | | | | | | | | |
| Fluoranthene | <0.01 | | | | | | | | | | | | | | | |
| Fluorene | <0.01 | | | | | | | | | | | | | | | |
| Hexachlorobenzene | <0.01 | | | | | | | | | | | | | | | |
| Hexachlorobutadiene | <0.01 | | | | | | | | | | | | | | | |
| Hexachlorocyclopentadiene | <0.01 | | | | | | | | | | | | | | | |
| Hexachloroethane | <0.01 | | | | | | | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | <0.01 | | | | | | | | | | | | | | | |

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NELAP Certificate# San Antonio : T104704367-17-9

CLIENT: HDR Engineering

Work Order: 1911019

Project: BioGrass Extra

QC SUMMARY REPORT

| Analyte | BLK | SPK value | %REC | | | | %REC | | RPD | | Low - High | | RPD | | |
|---------------------------|-------|-----------|-------|------|-------|-----------|------|-----|-----|-------|------------|----------|-----|---|-------|
| | | | LCS | LCSD | RPD % | RPD Limit | MS | MSD | % | Limit | Limit | Parent | DUP | % | Limit |
| Isophorone | <0.01 | | | | | | | | | | | | | | |
| N-Nitrosodi-n-propylamine | <0.01 | 0.05 | 49.4% | | | | | | | | | 29 - 137 | | | |
| N-Nitrosodimethylamine | <0.01 | | | | | | | | | | | | | | |
| N-Nitrosodiphenylamine | <0.01 | | | | | | | | | | | | | | |
| Naphthalene | <0.01 | | | | | | | | | | | | | | |
| Nitrobenzene | <0.01 | | | | | | | | | | | | | | |
| Pentachlorobenzene | <0.01 | | | | | | | | | | | | | | |
| Pentachloronitrobenzene | <0.01 | | | | | | | | | | | | | | |
| Pentachlorophenol | <0.01 | 0.05 | 27.2% | | | | | | | | | 10 - 152 | | | |
| Phenanthrene | <0.01 | | | | | | | | | | | | | | |
| Phenol | <0.01 | 0.05 | 14.0% | | | | | | | | | 10 - 128 | | | |
| Pyrene | <0.01 | 0.05 | 37.0% | | | | | | | | | 10 - 177 | | | |

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NELAP Certificate# San Antonio : T104704367-17-9



CHAIN OF CUSTODY RECORD

MUST BE COMPLETED BY CLIENT

ALAMO ANALYTICAL LABORATORIES, LTD.

| | | |
|---|---|--|
| Alamo's Client: HDR Ecological Equations LLC | Client P.O. #: | Turnaround time: Standard (7) <input type="checkbox"/> (In working days) |
| Project Manager: Aaron Hees HEES | Phone #:(512) 388 9592 | RUSH: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3-5 <input type="checkbox"/> Days (additional charges) |
| Address: PO BOX 2196 Round Rock, TX-78680 | Fax #: 512-388-9593 | Analysis for Permit Compliance: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Project Number: | Project Name: BIO GRASS EXTRA | <input type="checkbox"/> <input type="checkbox"/> |
| Project Location: | Sampler's Signature: | |

10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121

2500 Montana Avenue
El Paso, Texas 79903,
(915) 599-2182

www.alamoanalytical.com

| LAB ID# (Do not use) | Sampling | | Composite | Grab | Matrix | FIELD ID # | FIELD DISCIPTION | No. of Containers | Analysis | | | | | | REMARKS (Preservation, Size/Amount, Etc.) | |
|--|----------|-----------------|---------------|--|--------|-----------------|---------------------|---|----------|----------------------|--|--|--|--|--|--|
| | Date | Time | | | | | | | | | | | | | | |
| 1911019-01 | | | | | | OW-1 | Combined 80°F | | Sechst | | | | | | | |
| -02 | | | | | | OW-2 | SW DELPHIN 80°F | X | | | | | | | | |
| -03 | | | | | | OW-3 | NEPTUNE 75°F | | | | | | | | | |
| -04 | | | | | | OW-4 | SM-PW 70°F | X | | | | | | | | |
| -05 | | | | | | OW-5 | PDR 65°F | X | | | | | | | | |
| -06 | | | | | | OW-6 | M-LINE 50°F | | | | | | | | | |
| -07 | | | | | | OW-7 | SM-PW HYDRASWD 80°F | | | | | | | | | |
| Relinquished by: (Signature / Print Name) <i>Aaron Hees</i> | | Date 11/5/19 | Time 10:00 | Received by: Signature <i>[Signature]</i> | | Headspace | | <input type="checkbox"/> | NP | If Yes, Amt. _____ | | | | | | |
| Relinquished by: (Signature / Print Name) AARON HEES | | Date | Time | Received by: Signature | | Properly Sealed | | <input checked="" type="checkbox"/> | | If No, Explain _____ | | | | | | |
| Relinquished by: (Signature / Print Name) | | Date | Time | Received by: Signature | | Chilled ≤ 6°C | | <input type="checkbox"/> | | If No, Temp. _____ | | | | | | |
| Relinquished by: (Signature / Print Name) | | Date | Time | Received by: Signature | | Comments: | | Items circled SAVE are to be tested, save but do not test OW1, OW3, OW6, OW7. | | | | | | | | |



ALAMO ANALYTICAL LABORATORIES, LTD.

10526 Gulfdale
San Antonio, TX - 78216;
Ph. (210) 340-8121; Fax: (210) 340-8123

www.alamoanalytical.com

2500 Montana Avenue
El Paso, TX - 79903
Ph. (915) 599-2182

Sample Log-In Checklist

DATE: 11/5/19 TIME: 11:05 INITIALS: [Signature]

CLIENT: HDR Ecological Equations PROJECT: W.O# 1911019

1. Is a Chain of Custody present? Yes No
2. Is a Chain of Custody properly completed? Yes No
3. Are custody seals present? Yes No
If yes, are they intact? Yes No
 Are they on: Sample _____ or on Shipping Container _____
4. Are all samples tagged or labeled? Yes No
If yes, do the labels match the Chain of Custody? Yes No
5. Do all shipping documents agree (i.e., number of coolers arrived vs. on tickets)
If not, describe below. Yes No N/A
6. Are samples preserved properly? *If not, describe below.* Yes No
7. Are all samples within holding times on arrival?
If not, describe below. Yes No
8. Condition of shipping container: Intact _____ or _____
9. Condition of samples: Intact _____ or _____
10. Temperature of samples: Temp. (°C): _____ Corrected Temp. (°C): _____ Thermometer ID : DT1 or L2
11. pH strip lot#: _____ Samples out of pH range: _____
12. Delivery agent: Client _____ UPS _____ Fed-Ex _____ Lone Star _____ Alamo P/U _____ Other _____
13. Sample disposal: Return to client _____ Alamo Analytical Disposal _____

Comments: (Reference checklist item number from above, or for comments on resolution below):

Record of contacting client for resolution of sample discrepancies (first and retry contact) Contacted How?

Name: _____ Phone _____ Fax _____ Date: ____/____/____ Time: _____
Name: _____ Phone _____ Fax _____ Date: ____/____/____ Time: _____