



STONY HOLLOW LANDFILL, INC.
2460 S. Gettysburg Ave.
Dayton, OH 45418
(937) 268-1133
(937) 267-5110 Fax

June 20, 2017

Ms. Jennifer Marsee
Unit Supervisor
Regional Air Pollution Control Agency
117 South Main Street1
Dayton, OH 45422

Re: DFFO Order No. 9 Ambient Air Monitoring – June 3-4, 2017 (REVISED)
Stony Hollow Landfill
Facility ID No. 08-57-04-3008

Dear Ms. Marsee:

Stony Hollow Landfill, Inc. (Stony Hollow) contracted with LJB, Inc. (LJB) to perform the ambient air monitoring on the 1 in 3-day schedule as required by the Director's Final Findings and Orders, dated May 3, 2017. The 24-hour ambient air sampling was performed between June 3 – June 4, 2017 and ALS Environmental performed the USEPA Method TO-15, ASTM D 5504-12, and OSHA 1007 analyses.

The initial analytical results showed elevated formaldehyde results for both air samples. ALS Environmental reviewed the results and determined the formaldehyde results were incorrect due to a false positive peak being present.

Please find attached to this submittal letter the LJB revised ambient air monitoring report, which includes the revised analytical results. Per a review of the analytical results, the measured concentrations within the air samples were below the laboratory reporting limits or the NIOSH RELs and ATSDR MRLs.

If you have any questions, please contact the undersigned at (937) 356-6204.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Beth Shiverdecker', with a long horizontal flourish extending to the right.

Beth Shiverdecker for
Peter Lucas, P.E.
District Engineer

cc: Russell Brown, Michelle Ackenhausen - Ohio EPA
Stony Hollow files



June 20, 2017

Mr. Peter Lucas
 Waste Management – Stony Hollow Landfill
 2460 South Gettysburg Avenue
 Dayton, Ohio 45417

Via email: plucas2@wm.com

Re: June 3, 2017 ambient air sampling at Stony Hollow Landfill (REVISED)

Dear Mr. Lucas:

This is a revised report for the sampling period noted below. ALS Environmental’s Cincinnati laboratory submitted a revised report on June 20, 2017; formaldehyde results were corrected due to a false positive peak being present.

On June 3 through June 4, 2017 LJB Inc. collected two 24-hour ambient air samples at the Waste Management Stony Hollow Landfill. The samples included SHAA-N-07, collected from inside the northeast fence line of the landfill, and SHAA-S-07, collected from inside the southeast fence line of the landfill. One Summa canister and one UMEEx 100 Passive Sampler were collected at each location. Attached is a map of the sample locations designated by Waste Management in accordance with the May 3, 2017 Ohio EPA Director’s Final Findings and Orders for Stony Hollow Landfill and the Air Monitor Siting Study prepared by SCS Engineers for Stony Hollow Landfill. Table 1 contains sample equipment and interval details.

TABLE 1

| SAMPLE NO. | START DATE/TIME | END DATE/TIME | START PRESSURE | END PRESSURE | CANISTER NO. | CONTROLLER NO. |
|------------|-------------------|-------------------|----------------|--------------|--------------|----------------|
| SHAA-N-07 | 6/3/2017 08:37 | 6/4/2017 08:37 | -30” Hg (+) | -10.5” Hg | AS00827 | SFC00014 |
| SHAA-S-07 | 6/3/2017 08:58 | 6/4/2017 08:58 | -29.5” Hg | -9.0” Hg | AS00384 | SFC00146 |

Weather conditions reported for the sample period by the weather station located at Stony Hollow Landfill are shown in the attached graphs.

The completed UMEEx 100 samplers were transported by courier from the LJB offices to ALS Environmental’s Cincinnati, Ohio laboratory on June 5, 2017 and were analyzed by OSHA Method 1007 on June 6, 2017 per the three-day turnaround time previously arranged. The Summa canisters were transported by Federal Express second-day delivery, arriving at ALS Environmental’s Simi Valley, California Laboratory on June 6, 2017, and were analyzed by EPA Method TO-15 and ASTM Standard Test Method D5504-12 on June 7, 2017. Table 2 provides the summarized sample results.

The EPA Method TO-15 found that only 1,2,4-trimethylbenzene, 2-butanone, 2-propanol, acetone, benzene, carbon tetrachloride, chloromethane, cyclohexane, dichlorodifluoromethane, ethyl acetate, ethylbenzene, Freon 113, heptane, hexane, m,p-xylene, methylene chloride, o-xylene, tetrahydrofuran, toluene, trichlorofluoromethane and vinyl acetate were detected above laboratory reporting limits; concentrations of all were well below the NIOSH RELs and ASTDR MRLs for these compounds. Propene was also detected above laboratory reporting limits; however, no NIOSH REL or ASTDR MRL has been established for the inhalation route (gaseous air) of this compound.

The ASTM Standard Test Method D5504-12 did not detect any compounds above the laboratory reporting limits.

The OSHA Method 1007 detected crotonaldehyde and formaldehyde above laboratory reporting limits. Concentrations of both compounds were well below the NIOSH REL and ATSDR MRL for this compound.

TABLE 2

| ANALYTE | SHAA-N-07 ¹ , ppbv | SHAA-S-07 ¹ , ppbv | NIOSH REL ² , ppbv | ATSDR MRL ³ , ppbv |
|----------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| EPA TO-15 (Summa canister) | | | | |
| 1,1,1-Trichloroethane | <0.16 | <0.17 | 350,000 | 700 |
| 1,1,2,2-Tetrachloroethane | <0.13 | <0.13 | 1,000 | NA |
| 1,1,2-Trichloroethane | <0.16 | <0.17 | 10,000 | NA |
| 1,1-Dichloroethane | <0.22 | <0.22 | 100,000 | NA |
| 1,1-Dichloroethene | <0.22 | <0.23 | 200,000 | 20 |
| 1,2,4-Trichlorobenzene | <0.12 | <0.12 | 5,000 | NA |
| 1,2,4-Trimethylbenzene | 0.11 (J) | <0.19 | 25,000 | NA |
| 1,2-Dibromoethane | <0.11 | <0.12 | 45 | NA |
| 1,2-Dichlorobenzene | <0.15 | <0.15 | 50,000 | NA |
| 1,2-Dichloroethane | <0.22 | <0.22 | 1,000 | 600 |
| 1,2-Dichloropropane | <0.19 | <0.20 | 75,000 | 7 |
| 1,3,5-Trimethylbenzene | <0.18 | <0.19 | 25,000 | NA |
| 1,3-Butadiene | <0.40 | <0.41 | 1,000 | NA |
| 1,3-Dichlorobenzene | <0.15 | <0.15 | 50,000 | NA |
| 1,4-Dichlorobenzene | <0.15 | <0.15 | 50,000 | 10 |
| 1,4-Dioxane | <0.24 | <0.25 | NA | 30 |
| 2-Butanone | 0.85 (J) | 0.39 (J) | 200 | NA |
| 2-Hexanone | <0.21 | <0.22 | 1,000 | NA |
| 2-Propanol | 0.40 (J) | 0.37 (J) | 400,000 | NA |
| 4-Ethyltoluene | <0.18 | <0.19 | NA | NA |
| 4-Methyl-2-pentanone | <0.21 | <0.22 | 50,000 | NA |
| Acetone | 5.0 | 4.4 | 250,000 | 13,000 |

| ANALYTE | SHAA-N-07 ¹ , ppbv | SHAA-S-07 ¹ , ppbv | NIOSH REL ² , ppbv | ATSDR MRL ³ , ppbv |
|--|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Benzene | 1.3 | 0.24 (J) | 100 | 3 |
| Benzyl chloride | <0.17 | <0.18 | 1,000 | NA |
| Bromodichloromethane | <0.13 | <0.14 | NA | NA |
| Bromoform | <0.085 | <0.088 | 500 | NA |
| Bromomethane | <0.23 | <0.23 | 20,000 | 5 |
| Carbon disulfide | <2.8 | <2.9 | 1,000 | 300 |
| Carbon tetrachloride | 0.062 (J) | 0.066 (J) | 2,000 | 30 |
| Chlorobenzene | <0.19 | <0.20 | 75,000 | NA |
| Chloroethane | <0.33 | <0.34 | 1,000,000 | 15,000 |
| Chloroform | <0.18 | <0.19 | 2,000 | 20 |
| Chloromethane | 0.17 (J) | 0.16 (J) | 100,000 | 50 |
| cis-1,2-Dichloroethene | <0.22 | <0.23 | 200,000 | NA |
| cis-1,3-Dichloropropene | <0.19 | <0.20 | 1,000 | 7 |
| Cumene | <0.18 | <0.19 | 50,000 | NA |
| Cyclohexane | 0.17 (J) | <0.53 | 300,000 | NA |
| Dibromochloromethane | <0.10 | <0.11 | NA | NA |
| Dichlorodifluoromethane | 0.46 | 0.44 | 1,000,000 | NA |
| Ethyl acetate | 0.54 | 3.1 | 400,000 | NA |
| Ethylbenzene | 0.20 (J) | <0.21 | 100,000 | 60 |
| Freon 113 (Trichlorotrifluoroethane) | 0.063 (J) | 0.058 (J) | 1,000,000 | NA |
| Freon 114 (1,2-Dichloro-1,1,2,2-tetrafluoroethane) | <0.13 | <0.13 | 1,000,000 | NA |
| Heptane (n-Heptane) | 0.15 (J) | <0.22 | 85,000 | NA |
| Hexachlorobutadiene | <0.083 | <0.085 | 20 | NA |
| Hexane (n-Hexane) | 0.18 (J) | 0.10 (J) | 50,000 | 600 |
| m,p-Xylene | 0.45 | <0.42 | 100,000 | 50 |
| Methylene chloride | 0.46 | 0.39 | 25,000 | 300 |
| MTBE (Methyl tert-butyl ether) | <0.24 | <0.25 | 2,000 | NA |
| Naphthalene | <0.17 | <0.17 | 10,000 | 1 |
| o-Xylene | 0.16 (J) | <0.21 | 100,000 | NA |
| Propene | 1.0 | 0.52 (J) | NA | NA |
| Styrene | <0.21 | <0.21 | 50,000 | 200 |
| Tetrachloroethene | <0.13 | <0.13 | 100,000 | NA |
| Tetrahydrofuran | 1.3 | <0.31 | 200,000 | NA |
| Toluene | 0.93 | 0.49 | 100,000 | 1,000 |
| trans-1,2-Dichloroethene | <0.22 | <0.23 | 200,000 | 200 |
| trans-1,3-Dichloropropene | <0.19 | <0.20 | 1,000 | 7 |
| Trichloroethene | <0.16 | <0.17 | 100,000 | NA |

| ANALYTE | SHAA-N-07 ¹ , ppbv | SHAA-S-07 ¹ , ppbv | NIOSH REL ² , ppbv | ATSDR MRL ³ , ppbv |
|--------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Trichlorofluoromethane | 0.28 | 0.20 | 1,000,000 | NA |
| Vinyl acetate | 0.34 (J) | <2.6 | 4,000 | 10 |
| Vinyl chloride | <0.34 | <0.36 | 1,000 | 30 |
| ASTM D5504-12 (Summa canister) | | | | |
| 2,5-Dimethylthiophene | <8.8 | <9.1 | NA | NA |
| 2-Ethylthiophene | <8.8 | <9.1 | NA | NA |
| 3-Methylthiophene | <8.8 | <9.1 | NA | NA |
| Carbon disulfide | <4.4 | <4.6 | 1,000 | 300 |
| Carbonyl sulfide | <8.8 | <9.1 | NA | NA |
| Diethyl disulfide | <4.4 | <4.6 | NA | NA |
| Diethyl sulfide | <8.8 | <9.1 | NA | NA |
| Dimethyl disulfide | <4.4 | <4.6 | NA | NA |
| Dimethyl sulfide | <8.8 | <9.1 | NA | NA |
| Ethyl mercaptan | <8.8 | <9.1 | NA | NA |
| Ethyl methyl sulfide | <8.8 | <9.1 | NA | NA |
| Hydrogen sulfide | <8.8 | <9.1 | NA | 2 |
| Isobutyl mercaptan | <8.8 | <9.1 | NA | NA |
| Isopropyl mercaptan | <8.8 | <9.1 | NA | NA |
| Methyl mercaptan | <8.8 | <9.1 | NA | NA |
| n-Butyl mercaptan | <8.8 | <9.1 | NA | NA |
| n-Propyl mercaptan | <8.8 | <9.1 | NA | NA |
| tert-Butyl mercaptan | <8.8 | <9.1 | NA | NA |
| Tetrahydrothiophene | <8.8 | <9.1 | NA | NA |
| Thiophene | <8.8 | <9.1 | NA | NA |
| OSHA 1007 (UMEx 100 sampler) | | | | |
| Acetaldehyde | <1.5 | <1.5 | NA | NA |
| Benzaldehyde | <1.0 | <1.0 | NA | NA |
| Butyraldehyde | <1.3 | <1.3 | NA | NA |
| Crotonaldehyde | <2.2 | 4.2 | 2,000 | NA |
| Formaldehyde ⁽⁴⁾ | 24 3.8 | 24 4.1 | 16 | 8 |
| Hexanaldehyde | <1.6 | <1.6 | NA | NA |
| Propionaldehyde | <1.9 | <1.9 | NA | NA |

(1) Air sample duration is over a 24 hour period

(2) NIOSH REL is based on the time-weighted average concentration for a 8-10 hour workday during a 40 hour work week

(3) The ATSDR MRL are derived for three time periods: acute (1-14 days), intermediate (14-364 days) and chronic (>365 days)

(4) Formaldehyde results were corrected by ALS Cincinnati due to false positive peak being present; text that has been strikethrough are the results from the original report and are followed by the revised results

J = The result is an estimated concentration that is less than the method reporting limit but greater than the method detection limit

NA = Limit not established for inhalation route (gaseous air samples)

Mr. Peter Lucas: June 3, 2017 ambient air sampling
June 20, 2017
Page 5

All ALS Environmental laboratory reports and chain of custody forms are attached. Please let me know if you have any questions.

Sincerely,

LJB Inc.

A handwritten signature in black ink that reads "Alexandra M. Zelles". The signature is written in a cursive style with a large initial 'A' and a long, sweeping underline.

Alexandra Zelles
Environmental Scientist

▲ Air sample locations (revised by OEPA DFFO)

▭ Stony Hollow Landfill

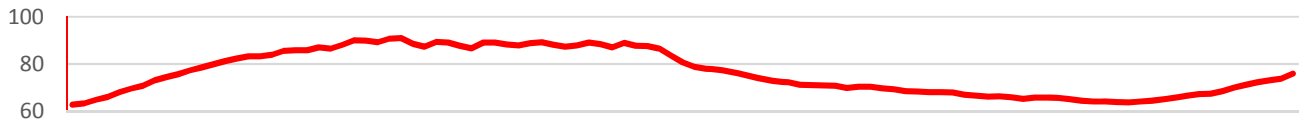


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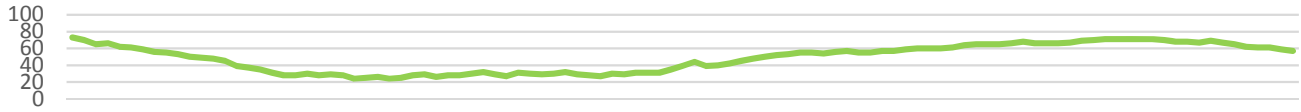
> Waste Management Stony Hollow Landfill Ambient Air Sample Locations



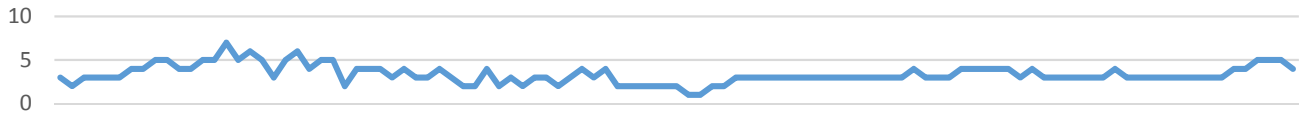
Temperature, °F



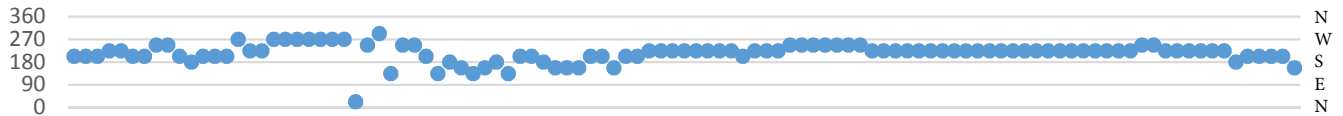
Relative Humidity, %



Wind Speed, mph



Wind Direction



Barometric Pressure, Inches Hg



Rain and Cumulative Rain, Inches



6/3/17 8:00 AM

6/4/17 12:00 AM

10:00 AM



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LABORATORY REPORT

June 9, 2017

Peter Lucas
Waste Management-Stony Hollow Landfill
2460 S Gettysburg Ave.
Dayton, OH 45417

RE: Stony Hollow Landfill

Dear Peter:

Enclosed are the results of the samples submitted to our laboratory on June 6, 2017. For your reference, these analyses have been assigned our service request number P1702714.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Kate Kaneko at 10:47 am, 06/09/17

Kate Kaneko
Project Manager



2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
F: +1 805 526 7270
www.alsglobal.com

Client: Waste Management-Stony Hollow Landfill
Project: Stony Hollow Landfill

Service Request No: P1702714

CASE NARRATIVE

The samples were received intact under chain of custody on June 6, 2017 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Sulfur Analysis

The samples were analyzed for twenty sulfur compounds per ASTM D 5504-12 using a gas chromatograph equipped with a sulfur chemiluminescence detector (SCD). All compounds with the exception of hydrogen sulfide and carbonyl sulfide are quantitated against the initial calibration curve for methyl mercaptan. This method is included on the laboratory's NELAP scope of accreditation, however it is not part of the DoD-ELAP accreditation.

Volatile Organic Compound Analysis

The samples were also analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

| Agency | Web Site | Number |
|------------------------|---|----------------------------|
| Arizona DHS | http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home | AZ0694 |
| Florida DOH (NELAP) | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E871020 |
| Louisiana DEQ (NELAP) | http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx | 05071 |
| Maine DHHS | http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm | 2016036 |
| Minnesota DOH (NELAP) | http://www.health.state.mn.us/accreditation | 1177034 |
| New Jersey DEP (NELAP) | http://www.nj.gov/dep/oqa/ | CA009 |
| New York DOH (NELAP) | http://www.wadsworth.org/labcert/elap/elap.html | 11221 |
| Oregon PHD (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | 4068-004 |
| Pennsylvania DEP | http://www.depweb.state.pa.us/labs | 68-03307 (Registration) |
| PJLA (DoD ELAP) | http://www.pjlabs.com/search-accredited-labs | 65818 (Testing) |
| Texas CEQ (NELAP) | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704413-16-7 |
| Utah DOH (NELAP) | http://health.utah.gov/lab/environmental-lab-certification/ | CA01627201 6-6 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C946 |

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Waste Management-Stony Hollow Landfill
 Project ID: Stony Hollow Landfill

Service Request: P1702714

Date Received: 6/6/2017
 Time Received: 09:25

| |
|-----------------------------|
| ASTM D 5504-12 - Sulfur Can |
| TO-15 - VOC Cans |

| Client Sample ID | Lab Code | Matrix | Date Collected | Time Collected | Container ID | Pi1 (psig) | Pf1 (psig) | ASTM D 5504-12 - Sulfur Can | TO-15 - VOC Cans |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|-----------------------------|------------------|
| SHAA-N-07 | P1702714-001 | Air | 6/4/2017 | 08:37 | AS00827 | -4.24 | 3.68 | X | X |
| SHAA-S-07 | P1702714-002 | Air | 6/4/2017 | 08:58 | AS00384 | -4.59 | 3.70 | X | X |



Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
 Simi Valley, California 93065
 Phone (805) 526-7161
 Fax (805) 526-7270

| | |
|--|------------------------------------|
| Requested Turnaround Time in Business Days (Surcharges) please circle 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard | ALS Project No. PT 02714 |
|--|------------------------------------|

| Company Name & Address (Reporting Information) LJB Inc. c/o Waste Management-Stony Hollow 2500 Newmark Drive Miamisburg, OH 45342 | | | | Project Name Stony Hollow Landfill | | | | | ALS Contact: | | Analysis Method TO-15 ASTM D 5504-12 | Comments e.g. Actual Preservative or specific instructions |
|---|----------------------|----------------|----------------|--|--|-----------------------------|--------------------------------|--|---|--|---|--|
| Project Manager Alex Zelles | | | | Project Number | | | | | P.O. # / Billing Information Per Peter Lucas/WM | | | |
| Phone 937-259-5022 | | Fax | | Sampler (Print & Sign) | | | | | | | | |
| Email Address for Result Reporting azelles@ljbinc.com | | | | | | | | | | | | |
| Client Sample ID | Laboratory ID Number | Date Collected | Time Collected | Canister ID (Bar code # - AC, SC, etc.) | Flow Controller ID (Bar code # - FC #) | Canister Start Pressure "Hg | Canister End Pressure "Hg/psig | Sample Volume | TO-15 | ASTM D 5504-12 | | |
| SHAA-N-07 | 1 | 6/4/17 | 0837 | AS00827 | SFC00014 | -30" Hg | -10.5" Hg | | X | X | | |
| SHAA-S-07 | 2 | 6/4/17 | 0858 | AS00384 | SFC00146 | -29.5" Hg | -9.0" Hg | | X | X | | |
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| Report Tier Levels - please select | | | | | | | | | | | | |
| Tier I - Results (Default if not specified) <input type="checkbox"/> | | | | Tier III (Results + QC & Calibration Summaries) <input type="checkbox"/> | | | | EDD required Yes / No | | Chain of Custody Seal: (Circle) | | |
| Tier II (Results + QC Summaries) <input checked="" type="checkbox"/> | | | | Tier IV (Data Validation Package) 10% Surcharge <input type="checkbox"/> | | | | Type: _____ Units: _____ | | INTACT <input checked="" type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT <input type="checkbox"/> | | |
| Relinquished by: (Signature) <i>Sharon Mueller</i> | | | | Date: 6/5/17 | | Time: 0839 | | Received by: (Signature) <i>FedEx tracking 779290435609</i> | | Date: 6/5/17 | | |
| Relinquished by: (Signature) | | | | Date: | | Time: | | Received by: (Signature) | | Date: 6/6/17 | | |
| Cooler / Blank Temperature _____ °C | | | | | | | | | | | | |

ALS Environmental Sample Acceptance Check Form

Client: Waste Management-Stony Hollow Landfill Work order: P1702714
 Project: Stony Hollow Landfill
 Sample(s) received on: 6/6/17 Date opened: 6/6/17 by: ADAVID

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|---|-------------------------------------|--------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8 Were custody seals on outside of cooler/Box/Container? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? <u>Box sealing</u> Sealing Lid? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Were signature and date included? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Were seals intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Lab Sample ID | Container Description | Required pH * | Received pH | Adjusted pH | VOA Headspace (Presence/Absence) | Receipt / Preservation Comments |
|-----------------|-----------------------|---------------|-------------|-------------|----------------------------------|---------------------------------|
| P1702714-001.01 | 6.0 L Silonite Can | | | | | |
| P1702714-002.01 | 6.0 L Silonite Can | | | | | |
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Explain any discrepancies: (include lab sample ID numbers): _____

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Waste Management-Stony Hollow Landfill

Client Sample ID: SHAA-N-07

Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714

ALS Sample ID: P1702714-001

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 7890A/GC22/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00827

Date Collected: 6/4/17
 Time Collected: 08:37
 Date Received: 6/6/17
 Date Analyzed: 6/7/17
 Time Analyzed: 08:45
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -4.24 Final Pressure (psig): 3.68

Canister Dilution Factor: 1.76

| CAS # | Compound | Result µg/m ³ | MRL µg/m ³ | Result ppbV | MRL ppbV | Data Qualifier |
|-----------|-----------------------|-----------------------------|--------------------------|----------------|-------------|-------------------|
| 7783-06-4 | Hydrogen Sulfide | ND | 12 | ND | 8.8 | |
| 463-58-1 | Carbonyl Sulfide | ND | 22 | ND | 8.8 | |
| 74-93-1 | Methyl Mercaptan | ND | 17 | ND | 8.8 | |
| 75-08-1 | Ethyl Mercaptan | ND | 22 | ND | 8.8 | |
| 75-18-3 | Dimethyl Sulfide | ND | 22 | ND | 8.8 | |
| 75-15-0 | Carbon Disulfide | ND | 14 | ND | 4.4 | |
| 75-33-2 | Isopropyl Mercaptan | ND | 27 | ND | 8.8 | |
| 75-66-1 | tert-Butyl Mercaptan | ND | 32 | ND | 8.8 | |
| 107-03-9 | n-Propyl Mercaptan | ND | 27 | ND | 8.8 | |
| 624-89-5 | Ethyl Methyl Sulfide | ND | 27 | ND | 8.8 | |
| 110-02-1 | Thiophene | ND | 30 | ND | 8.8 | |
| 513-44-0 | Isobutyl Mercaptan | ND | 32 | ND | 8.8 | |
| 352-93-2 | Diethyl Sulfide | ND | 32 | ND | 8.8 | |
| 109-79-5 | n-Butyl Mercaptan | ND | 32 | ND | 8.8 | |
| 624-92-0 | Dimethyl Disulfide | ND | 17 | ND | 4.4 | |
| 616-44-4 | 3-Methylthiophene | ND | 35 | ND | 8.8 | |
| 110-01-0 | Tetrahydrothiophene | ND | 32 | ND | 8.8 | |
| 638-02-8 | 2,5-Dimethylthiophene | ND | 40 | ND | 8.8 | |
| 872-55-9 | 2-Ethylthiophene | ND | 40 | ND | 8.8 | |
| 110-81-6 | Diethyl Disulfide | ND | 22 | ND | 4.4 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Waste Management-Stony Hollow Landfill
Client Sample ID: SHAA-S-07
Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714
 ALS Sample ID: P1702714-002

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 7890A/GC22/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00384

Date Collected: 6/4/17
 Time Collected: 08:58
 Date Received: 6/6/17
 Date Analyzed: 6/7/17
 Time Analyzed: 09:03
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -4.59 Final Pressure (psig): 3.70

Canister Dilution Factor: 1.82

| CAS # | Compound | Result µg/m ³ | MRL µg/m ³ | Result ppbV | MRL ppbV | Data Qualifier |
|-----------|-----------------------|-----------------------------|--------------------------|----------------|-------------|-------------------|
| 7783-06-4 | Hydrogen Sulfide | ND | 13 | ND | 9.1 | |
| 463-58-1 | Carbonyl Sulfide | ND | 22 | ND | 9.1 | |
| 74-93-1 | Methyl Mercaptan | ND | 18 | ND | 9.1 | |
| 75-08-1 | Ethyl Mercaptan | ND | 23 | ND | 9.1 | |
| 75-18-3 | Dimethyl Sulfide | ND | 23 | ND | 9.1 | |
| 75-15-0 | Carbon Disulfide | ND | 14 | ND | 4.6 | |
| 75-33-2 | Isopropyl Mercaptan | ND | 28 | ND | 9.1 | |
| 75-66-1 | tert-Butyl Mercaptan | ND | 34 | ND | 9.1 | |
| 107-03-9 | n-Propyl Mercaptan | ND | 28 | ND | 9.1 | |
| 624-89-5 | Ethyl Methyl Sulfide | ND | 28 | ND | 9.1 | |
| 110-02-1 | Thiophene | ND | 31 | ND | 9.1 | |
| 513-44-0 | Isobutyl Mercaptan | ND | 34 | ND | 9.1 | |
| 352-93-2 | Diethyl Sulfide | ND | 34 | ND | 9.1 | |
| 109-79-5 | n-Butyl Mercaptan | ND | 34 | ND | 9.1 | |
| 624-92-0 | Dimethyl Disulfide | ND | 18 | ND | 4.6 | |
| 616-44-4 | 3-Methylthiophene | ND | 37 | ND | 9.1 | |
| 110-01-0 | Tetrahydrothiophene | ND | 33 | ND | 9.1 | |
| 638-02-8 | 2,5-Dimethylthiophene | ND | 42 | ND | 9.1 | |
| 872-55-9 | 2-Ethylthiophene | ND | 42 | ND | 9.1 | |
| 110-81-6 | Diethyl Disulfide | ND | 23 | ND | 4.6 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Waste Management-Stony Hollow Landfill
Client Sample ID: Method Blank
Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714
 ALS Sample ID: P170607-MB

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 7890A/GC22/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:

Date Collected: NA
 Time Collected: NA
 Date Received: NA
 Date Analyzed: 6/07/17
 Time Analyzed: 08:26
 Volume(s) Analyzed: 1.0 ml(s)

| CAS # | Compound | Result µg/m ³ | MRL µg/m ³ | Result ppbV | MRL ppbV | Data Qualifier |
|-----------|-----------------------|-----------------------------|--------------------------|----------------|-------------|-------------------|
| 7783-06-4 | Hydrogen Sulfide | ND | 7.0 | ND | 5.0 | |
| 463-58-1 | Carbonyl Sulfide | ND | 12 | ND | 5.0 | |
| 74-93-1 | Methyl Mercaptan | ND | 9.8 | ND | 5.0 | |
| 75-08-1 | Ethyl Mercaptan | ND | 13 | ND | 5.0 | |
| 75-18-3 | Dimethyl Sulfide | ND | 13 | ND | 5.0 | |
| 75-15-0 | Carbon Disulfide | ND | 7.8 | ND | 2.5 | |
| 75-33-2 | Isopropyl Mercaptan | ND | 16 | ND | 5.0 | |
| 75-66-1 | tert-Butyl Mercaptan | ND | 18 | ND | 5.0 | |
| 107-03-9 | n-Propyl Mercaptan | ND | 16 | ND | 5.0 | |
| 624-89-5 | Ethyl Methyl Sulfide | ND | 16 | ND | 5.0 | |
| 110-02-1 | Thiophene | ND | 17 | ND | 5.0 | |
| 513-44-0 | Isobutyl Mercaptan | ND | 18 | ND | 5.0 | |
| 352-93-2 | Diethyl Sulfide | ND | 18 | ND | 5.0 | |
| 109-79-5 | n-Butyl Mercaptan | ND | 18 | ND | 5.0 | |
| 624-92-0 | Dimethyl Disulfide | ND | 9.6 | ND | 2.5 | |
| 616-44-4 | 3-Methylthiophene | ND | 20 | ND | 5.0 | |
| 110-01-0 | Tetrahydrothiophene | ND | 18 | ND | 5.0 | |
| 638-02-8 | 2,5-Dimethylthiophene | ND | 23 | ND | 5.0 | |
| 872-55-9 | 2-Ethylthiophene | ND | 23 | ND | 5.0 | |
| 110-81-6 | Diethyl Disulfide | ND | 12 | ND | 2.5 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

Client: Waste Management-Stony Hollow Landfill

Client Sample ID: Lab Control Sample

Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714

ALS Sample ID: P170607-LCS

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 6/07/17

Volume(s) Analyzed: NA ml(s)

| CAS # | Compound | Spike Amount ppbV | Result ppbV | % Recovery | ALS | Data Qualifier |
|-----------|------------------|----------------------|----------------|------------|----------------------|-------------------|
| | | | | | Acceptance Limits | |
| 7783-06-4 | Hydrogen Sulfide | 1,000 | 1,060 | 106 | 75-148 | |
| 463-58-1 | Carbonyl Sulfide | 1,000 | 1,140 | 114 | 70-137 | |
| 74-93-1 | Methyl Mercaptan | 1,000 | 1,120 | 112 | 72-139 | |

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Waste Management-Stony Hollow Landfill

Client Sample ID: SHAA-N-07

Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714

ALS Sample ID: P1702714-001

Test Code: EPA TO-15

Date Collected: 6/4/17

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: 6/6/17

Analyst: Simon Cao

Date Analyzed: 6/7/17

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00827

Initial Pressure (psig): -4.24 Final Pressure (psig): 3.68

Canister Dilution Factor: 1.76

| CAS # | Compound | Result | MRL | MDL | Result | MRL | MDL | Data |
|-----------|--|-------------------|-------------------|-------------------|--------|------|-------|-----------|
| | | µg/m ³ | µg/m ³ | µg/m ³ | ppbV | ppbV | ppbV | Qualifier |
| 115-07-1 | Propene | 1.7 | 0.88 | 0.25 | 1.0 | 0.51 | 0.14 | |
| 75-71-8 | Dichlorodifluoromethane (CFC 12) | 2.3 | 0.88 | 0.30 | 0.46 | 0.18 | 0.061 | |
| 74-87-3 | Chloromethane | 0.34 | 0.88 | 0.26 | 0.17 | 0.43 | 0.13 | J |
| 76-14-2 | 1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114) | ND | 0.88 | 0.33 | ND | 0.13 | 0.048 | |
| 75-01-4 | Vinyl Chloride | ND | 0.88 | 0.30 | ND | 0.34 | 0.12 | |
| 106-99-0 | 1,3-Butadiene | ND | 0.88 | 0.39 | ND | 0.40 | 0.18 | |
| 74-83-9 | Bromomethane | ND | 0.88 | 0.33 | ND | 0.23 | 0.086 | |
| 75-00-3 | Chloroethane | ND | 0.88 | 0.30 | ND | 0.33 | 0.11 | |
| 67-64-1 | Acetone | 12 | 8.8 | 1.4 | 5.0 | 3.7 | 0.57 | |
| 75-69-4 | Trichlorofluoromethane (CFC 11) | 1.6 | 0.88 | 0.30 | 0.28 | 0.16 | 0.053 | |
| 67-63-0 | 2-Propanol (Isopropyl Alcohol) | 0.99 | 8.8 | 0.74 | 0.40 | 3.6 | 0.30 | J |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.88 | 0.30 | ND | 0.22 | 0.075 | |
| 75-09-2 | Methylene Chloride | 1.6 | 0.88 | 0.30 | 0.46 | 0.25 | 0.086 | |
| 76-13-1 | Trichlorotrifluoroethane (CFC 113) | 0.48 | 0.88 | 0.30 | 0.063 | 0.11 | 0.039 | J |
| 75-15-0 | Carbon Disulfide | ND | 8.8 | 0.26 | ND | 2.8 | 0.085 | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 0.88 | 0.33 | ND | 0.22 | 0.084 | |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.88 | 0.28 | ND | 0.22 | 0.070 | |
| 1634-04-4 | Methyl tert-Butyl Ether | ND | 0.88 | 0.30 | ND | 0.24 | 0.083 | |
| 108-05-4 | Vinyl Acetate | 1.2 | 8.8 | 1.1 | 0.34 | 2.5 | 0.33 | J |
| 78-93-3 | 2-Butanone (MEK) | 2.5 | 8.8 | 0.37 | 0.85 | 3.0 | 0.13 | J |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 0.88 | 0.28 | ND | 0.22 | 0.071 | |

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 2 of 3

Client: Waste Management-Stony Hollow Landfill

Client Sample ID: SHAA-N-07

Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714

ALS Sample ID: P1702714-001

Test Code: EPA TO-15

Date Collected: 6/4/17

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: 6/6/17

Analyst: Simon Cao

Date Analyzed: 6/7/17

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00827

Initial Pressure (psig): -4.24 Final Pressure (psig): 3.68

Canister Dilution Factor: 1.76

| CAS # | Compound | Result µg/m ³ | MRL µg/m ³ | MDL µg/m ³ | Result ppbV | MRL ppbV | MDL ppbV | Data Qualifier |
|------------|---------------------------|-----------------------------|--------------------------|--------------------------|----------------|-------------|-------------|-------------------|
| 141-78-6 | Ethyl Acetate | 2.0 | 1.8 | 0.62 | 0.54 | 0.49 | 0.17 | |
| 110-54-3 | n-Hexane | 0.64 | 0.88 | 0.26 | 0.18 | 0.25 | 0.075 | J |
| 67-66-3 | Chloroform | ND | 0.88 | 0.30 | ND | 0.18 | 0.061 | |
| 109-99-9 | Tetrahydrofuran (THF) | 4.0 | 0.88 | 0.35 | 1.3 | 0.30 | 0.12 | |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.88 | 0.28 | ND | 0.22 | 0.070 | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.88 | 0.30 | ND | 0.16 | 0.055 | |
| 71-43-2 | Benzene | 4.2 | 0.88 | 0.28 | 1.3 | 0.28 | 0.088 | |
| 56-23-5 | Carbon Tetrachloride | 0.39 | 0.88 | 0.26 | 0.062 | 0.14 | 0.042 | J |
| 110-82-7 | Cyclohexane | 0.59 | 1.8 | 0.51 | 0.17 | 0.51 | 0.15 | J |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.88 | 0.28 | ND | 0.19 | 0.061 | |
| 75-27-4 | Bromodichloromethane | ND | 0.88 | 0.26 | ND | 0.13 | 0.039 | |
| 79-01-6 | Trichloroethene | ND | 0.88 | 0.25 | ND | 0.16 | 0.046 | |
| 123-91-1 | 1,4-Dioxane | ND | 0.88 | 0.28 | ND | 0.24 | 0.078 | |
| 142-82-5 | n-Heptane | 0.61 | 0.88 | 0.30 | 0.15 | 0.21 | 0.073 | J |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.88 | 0.25 | ND | 0.19 | 0.054 | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 0.88 | 0.28 | ND | 0.21 | 0.069 | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.88 | 0.28 | ND | 0.19 | 0.062 | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.88 | 0.28 | ND | 0.16 | 0.052 | |
| 108-88-3 | Toluene | 3.5 | 0.88 | 0.30 | 0.93 | 0.23 | 0.079 | |
| 591-78-6 | 2-Hexanone | ND | 0.88 | 0.28 | ND | 0.21 | 0.069 | |
| 124-48-1 | Dibromochloromethane | ND | 0.88 | 0.28 | ND | 0.10 | 0.033 | |

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Waste Management-Stony Hollow Landfill

Client Sample ID: SHAA-N-07

Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714

ALS Sample ID: P1702714-001

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Analyst: Simon Cao

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00827

Date Collected: 6/4/17

Date Received: 6/6/17

Date Analyzed: 6/7/17

Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -4.24 Final Pressure (psig): 3.68

Canister Dilution Factor: 1.76

| CAS # | Compound | Result µg/m ³ | MRL µg/m ³ | MDL µg/m ³ | Result ppbV | MRL ppbV | MDL ppbV | Data Qualifier |
|-------------|---------------------------|-----------------------------|--------------------------|--------------------------|----------------|-------------|-------------|-------------------|
| 106-93-4 | 1,2-Dibromoethane | ND | 0.88 | 0.28 | ND | 0.11 | 0.037 | |
| 127-18-4 | Tetrachloroethene | ND | 0.88 | 0.25 | ND | 0.13 | 0.036 | |
| 108-90-7 | Chlorobenzene | ND | 0.88 | 0.28 | ND | 0.19 | 0.061 | |
| 100-41-4 | Ethylbenzene | 0.88 | 0.88 | 0.28 | 0.20 | 0.20 | 0.065 | J |
| 179601-23-1 | m,p-Xylenes | 2.0 | 1.8 | 0.53 | 0.45 | 0.41 | 0.12 | |
| 75-25-2 | Bromoform | ND | 0.88 | 0.26 | ND | 0.085 | 0.026 | |
| 100-42-5 | Styrene | ND | 0.88 | 0.26 | ND | 0.21 | 0.062 | |
| 95-47-6 | o-Xylene | 0.70 | 0.88 | 0.26 | 0.16 | 0.20 | 0.061 | J |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.88 | 0.26 | ND | 0.13 | 0.038 | |
| 98-82-8 | Cumene | ND | 0.88 | 0.26 | ND | 0.18 | 0.054 | |
| 622-96-8 | 4-Ethyltoluene | ND | 0.88 | 0.28 | ND | 0.18 | 0.057 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.88 | 0.28 | ND | 0.18 | 0.057 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.53 | 0.88 | 0.26 | 0.11 | 0.18 | 0.054 | J |
| 100-44-7 | Benzyl Chloride | ND | 0.88 | 0.19 | ND | 0.17 | 0.037 | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 0.88 | 0.26 | ND | 0.15 | 0.044 | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 0.88 | 0.25 | ND | 0.15 | 0.041 | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 0.88 | 0.26 | ND | 0.15 | 0.044 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.88 | 0.28 | ND | 0.12 | 0.038 | |
| 91-20-3 | Naphthalene | ND | 0.88 | 0.32 | ND | 0.17 | 0.060 | |
| 87-68-3 | Hexachlorobutadiene | ND | 0.88 | 0.25 | ND | 0.083 | 0.023 | |

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Waste Management-Stony Hollow Landfill

Client Sample ID: SHAA-S-07

Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714

ALS Sample ID: P1702714-002

Test Code: EPA TO-15

Date Collected: 6/4/17

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: 6/6/17

Analyst: Simon Cao

Date Analyzed: 6/7/17

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00384

Initial Pressure (psig): -4.59 Final Pressure (psig): 3.70

Canister Dilution Factor: 1.82

| CAS # | Compound | Result | MRL | MDL | Result | MRL | MDL | Data |
|-----------|--|-------------------|-------------------|-------------------|--------------|------|-------|-----------|
| | | µg/m ³ | µg/m ³ | µg/m ³ | ppbV | ppbV | ppbV | Qualifier |
| 115-07-1 | Propene | 0.89 | 0.91 | 0.25 | 0.52 | 0.53 | 0.15 | J |
| 75-71-8 | Dichlorodifluoromethane (CFC 12) | 2.2 | 0.91 | 0.31 | 0.44 | 0.18 | 0.063 | |
| 74-87-3 | Chloromethane | 0.32 | 0.91 | 0.27 | 0.16 | 0.44 | 0.13 | J |
| 76-14-2 | 1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114) | ND | 0.91 | 0.35 | ND | 0.13 | 0.049 | |
| 75-01-4 | Vinyl Chloride | ND | 0.91 | 0.31 | ND | 0.36 | 0.12 | |
| 106-99-0 | 1,3-Butadiene | ND | 0.91 | 0.40 | ND | 0.41 | 0.18 | |
| 74-83-9 | Bromomethane | ND | 0.91 | 0.35 | ND | 0.23 | 0.089 | |
| 75-00-3 | Chloroethane | ND | 0.91 | 0.31 | ND | 0.34 | 0.12 | |
| 67-64-1 | Acetone | 11 | 9.1 | 1.4 | 4.4 | 3.8 | 0.59 | |
| 75-69-4 | Trichlorofluoromethane (CFC 11) | 1.1 | 0.91 | 0.31 | 0.20 | 0.16 | 0.055 | |
| 67-63-0 | 2-Propanol (Isopropyl Alcohol) | 0.90 | 9.1 | 0.76 | 0.37 | 3.7 | 0.31 | J |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.91 | 0.31 | ND | 0.23 | 0.078 | |
| 75-09-2 | Methylene Chloride | 1.3 | 0.91 | 0.31 | 0.39 | 0.26 | 0.089 | |
| 76-13-1 | Trichlorotrifluoroethane (CFC 113) | 0.45 | 0.91 | 0.31 | 0.058 | 0.12 | 0.040 | J |
| 75-15-0 | Carbon Disulfide | ND | 9.1 | 0.27 | ND | 2.9 | 0.088 | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 0.91 | 0.35 | ND | 0.23 | 0.087 | |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.91 | 0.29 | ND | 0.22 | 0.072 | |
| 1634-04-4 | Methyl tert-Butyl Ether | ND | 0.91 | 0.31 | ND | 0.25 | 0.086 | |
| 108-05-4 | Vinyl Acetate | ND | 9.1 | 1.2 | ND | 2.6 | 0.34 | |
| 78-93-3 | 2-Butanone (MEK) | 1.2 | 9.1 | 0.38 | 0.39 | 3.1 | 0.13 | J |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 0.91 | 0.29 | ND | 0.23 | 0.073 | |

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 2 of 3

Client: Waste Management-Stony Hollow Landfill

Client Sample ID: SHAA-S-07

Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714

ALS Sample ID: P1702714-002

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Analyst: Simon Cao

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00384

Date Collected: 6/4/17

Date Received: 6/6/17

Date Analyzed: 6/7/17

Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -4.59 Final Pressure (psig): 3.70

Canister Dilution Factor: 1.82

| CAS # | Compound | Result µg/m ³ | MRL µg/m ³ | MDL µg/m ³ | Result ppbV | MRL ppbV | MDL ppbV | Data Qualifier |
|------------|---------------------------|-----------------------------|--------------------------|--------------------------|----------------|-------------|-------------|-------------------|
| 141-78-6 | Ethyl Acetate | 11 | 1.8 | 0.64 | 3.1 | 0.51 | 0.18 | |
| 110-54-3 | n-Hexane | 0.36 | 0.91 | 0.27 | 0.10 | 0.26 | 0.077 | J |
| 67-66-3 | Chloroform | ND | 0.91 | 0.31 | ND | 0.19 | 0.063 | |
| 109-99-9 | Tetrahydrofuran (THF) | ND | 0.91 | 0.36 | ND | 0.31 | 0.12 | |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.91 | 0.29 | ND | 0.22 | 0.072 | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.91 | 0.31 | ND | 0.17 | 0.057 | |
| 71-43-2 | Benzene | 0.75 | 0.91 | 0.29 | 0.24 | 0.28 | 0.091 | J |
| 56-23-5 | Carbon Tetrachloride | 0.41 | 0.91 | 0.27 | 0.066 | 0.14 | 0.043 | J |
| 110-82-7 | Cyclohexane | ND | 1.8 | 0.53 | ND | 0.53 | 0.15 | |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.91 | 0.29 | ND | 0.20 | 0.063 | |
| 75-27-4 | Bromodichloromethane | ND | 0.91 | 0.27 | ND | 0.14 | 0.041 | |
| 79-01-6 | Trichloroethene | ND | 0.91 | 0.25 | ND | 0.17 | 0.047 | |
| 123-91-1 | 1,4-Dioxane | ND | 0.91 | 0.29 | ND | 0.25 | 0.081 | |
| 142-82-5 | n-Heptane | ND | 0.91 | 0.31 | ND | 0.22 | 0.076 | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.91 | 0.25 | ND | 0.20 | 0.056 | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 0.91 | 0.29 | ND | 0.22 | 0.071 | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.91 | 0.29 | ND | 0.20 | 0.064 | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.91 | 0.29 | ND | 0.17 | 0.053 | |
| 108-88-3 | Toluene | 1.9 | 0.91 | 0.31 | 0.49 | 0.24 | 0.082 | |
| 591-78-6 | 2-Hexanone | ND | 0.91 | 0.29 | ND | 0.22 | 0.071 | |
| 124-48-1 | Dibromochloromethane | ND | 0.91 | 0.29 | ND | 0.11 | 0.034 | |

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 3 of 3

Client: Waste Management-Stony Hollow Landfill

Client Sample ID: SHAA-S-07

Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714

ALS Sample ID: P1702714-002

Test Code: EPA TO-15

Date Collected: 6/4/17

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: 6/6/17

Analyst: Simon Cao

Date Analyzed: 6/7/17

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00384

Initial Pressure (psig): -4.59 Final Pressure (psig): 3.70

Canister Dilution Factor: 1.82

| CAS # | Compound | Result µg/m ³ | MRL µg/m ³ | MDL µg/m ³ | Result ppbV | MRL ppbV | MDL ppbV | Data Qualifier |
|-------------|---------------------------|-----------------------------|--------------------------|--------------------------|----------------|-------------|-------------|-------------------|
| 106-93-4 | 1,2-Dibromoethane | ND | 0.91 | 0.29 | ND | 0.12 | 0.038 | |
| 127-18-4 | Tetrachloroethene | ND | 0.91 | 0.25 | ND | 0.13 | 0.038 | |
| 108-90-7 | Chlorobenzene | ND | 0.91 | 0.29 | ND | 0.20 | 0.063 | |
| 100-41-4 | Ethylbenzene | ND | 0.91 | 0.29 | ND | 0.21 | 0.067 | |
| 179601-23-1 | m,p-Xylenes | ND | 1.8 | 0.55 | ND | 0.42 | 0.13 | |
| 75-25-2 | Bromoform | ND | 0.91 | 0.27 | ND | 0.088 | 0.026 | |
| 100-42-5 | Styrene | ND | 0.91 | 0.27 | ND | 0.21 | 0.064 | |
| 95-47-6 | o-Xylene | ND | 0.91 | 0.27 | ND | 0.21 | 0.063 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.91 | 0.27 | ND | 0.13 | 0.040 | |
| 98-82-8 | Cumene | ND | 0.91 | 0.27 | ND | 0.19 | 0.056 | |
| 622-96-8 | 4-Ethyltoluene | ND | 0.91 | 0.29 | ND | 0.19 | 0.059 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.91 | 0.29 | ND | 0.19 | 0.059 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.91 | 0.27 | ND | 0.19 | 0.056 | |
| 100-44-7 | Benzyl Chloride | ND | 0.91 | 0.20 | ND | 0.18 | 0.039 | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 0.91 | 0.27 | ND | 0.15 | 0.045 | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 0.91 | 0.25 | ND | 0.15 | 0.042 | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 0.91 | 0.27 | ND | 0.15 | 0.045 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.91 | 0.29 | ND | 0.12 | 0.039 | |
| 91-20-3 | Naphthalene | ND | 0.91 | 0.33 | ND | 0.17 | 0.063 | |
| 87-68-3 | Hexachlorobutadiene | ND | 0.91 | 0.25 | ND | 0.085 | 0.024 | |

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Waste Management-Stony Hollow Landfill

Client Sample ID: Method Blank

Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714

ALS Sample ID: P170607-MB

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Analyst: Simon Cao

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 6/7/17

Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

| CAS # | Compound | Result | MRL | MDL | Result | MRL | MDL | Data |
|-----------|--|-------------------|-------------------|-------------------|--------|-------|-------|-----------|
| | | µg/m ³ | µg/m ³ | µg/m ³ | ppbV | ppbV | ppbV | Qualifier |
| 115-07-1 | Propene | ND | 0.50 | 0.14 | ND | 0.29 | 0.081 | |
| 75-71-8 | Dichlorodifluoromethane (CFC 12) | ND | 0.50 | 0.17 | ND | 0.10 | 0.034 | |
| 74-87-3 | Chloromethane | ND | 0.50 | 0.15 | ND | 0.24 | 0.073 | |
| 76-14-2 | 1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114) | ND | 0.50 | 0.19 | ND | 0.072 | 0.027 | |
| 75-01-4 | Vinyl Chloride | ND | 0.50 | 0.17 | ND | 0.20 | 0.067 | |
| 106-99-0 | 1,3-Butadiene | ND | 0.50 | 0.22 | ND | 0.23 | 0.099 | |
| 74-83-9 | Bromomethane | ND | 0.50 | 0.19 | ND | 0.13 | 0.049 | |
| 75-00-3 | Chloroethane | ND | 0.50 | 0.17 | ND | 0.19 | 0.064 | |
| 67-64-1 | Acetone | ND | 5.0 | 0.77 | ND | 2.1 | 0.32 | |
| 75-69-4 | Trichlorofluoromethane (CFC 11) | ND | 0.50 | 0.17 | ND | 0.089 | 0.030 | |
| 67-63-0 | 2-Propanol (Isopropyl Alcohol) | ND | 5.0 | 0.42 | ND | 2.0 | 0.17 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | ND | 0.13 | 0.043 | |
| 75-09-2 | Methylene Chloride | ND | 0.50 | 0.17 | ND | 0.14 | 0.049 | |
| 76-13-1 | Trichlorotrifluoroethane (CFC 113) | ND | 0.50 | 0.17 | ND | 0.065 | 0.022 | |
| 75-15-0 | Carbon Disulfide | ND | 5.0 | 0.15 | ND | 1.6 | 0.048 | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 0.50 | 0.19 | ND | 0.13 | 0.048 | |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.50 | 0.16 | ND | 0.12 | 0.040 | |
| 1634-04-4 | Methyl tert-Butyl Ether | ND | 0.50 | 0.17 | ND | 0.14 | 0.047 | |
| 108-05-4 | Vinyl Acetate | ND | 5.0 | 0.65 | ND | 1.4 | 0.18 | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 0.21 | ND | 1.7 | 0.071 | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 0.50 | 0.16 | ND | 0.13 | 0.040 | |

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 2 of 3

Client: Waste Management-Stony Hollow Landfill

Client Sample ID: Method Blank

Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714

ALS Sample ID: P170607-MB

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Analyst: Simon Cao

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 6/7/17

Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

| CAS # | Compound | Result µg/m ³ | MRL µg/m ³ | MDL µg/m ³ | Result ppbV | MRL ppbV | MDL ppbV | Data Qualifier |
|------------|---------------------------|-----------------------------|--------------------------|--------------------------|----------------|-------------|-------------|-------------------|
| 141-78-6 | Ethyl Acetate | ND | 1.0 | 0.35 | ND | 0.28 | 0.097 | |
| 110-54-3 | n-Hexane | ND | 0.50 | 0.15 | ND | 0.14 | 0.043 | |
| 67-66-3 | Chloroform | ND | 0.50 | 0.17 | ND | 0.10 | 0.035 | |
| 109-99-9 | Tetrahydrofuran (THF) | ND | 0.50 | 0.20 | ND | 0.17 | 0.068 | |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.50 | 0.16 | ND | 0.12 | 0.040 | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.50 | 0.17 | ND | 0.092 | 0.031 | |
| 71-43-2 | Benzene | ND | 0.50 | 0.16 | ND | 0.16 | 0.050 | |
| 56-23-5 | Carbon Tetrachloride | ND | 0.50 | 0.15 | ND | 0.080 | 0.024 | |
| 110-82-7 | Cyclohexane | ND | 1.0 | 0.29 | ND | 0.29 | 0.084 | |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.50 | 0.16 | ND | 0.11 | 0.035 | |
| 75-27-4 | Bromodichloromethane | ND | 0.50 | 0.15 | ND | 0.075 | 0.022 | |
| 79-01-6 | Trichloroethene | ND | 0.50 | 0.14 | ND | 0.093 | 0.026 | |
| 123-91-1 | 1,4-Dioxane | ND | 0.50 | 0.16 | ND | 0.14 | 0.044 | |
| 142-82-5 | n-Heptane | ND | 0.50 | 0.17 | ND | 0.12 | 0.041 | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.14 | ND | 0.11 | 0.031 | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 0.50 | 0.16 | ND | 0.12 | 0.039 | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.16 | ND | 0.11 | 0.035 | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.50 | 0.16 | ND | 0.092 | 0.029 | |
| 108-88-3 | Toluene | ND | 0.50 | 0.17 | ND | 0.13 | 0.045 | |
| 591-78-6 | 2-Hexanone | ND | 0.50 | 0.16 | ND | 0.12 | 0.039 | |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | 0.16 | ND | 0.059 | 0.019 | |

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 3 of 3

Client: Waste Management-Stony Hollow Landfill

Client Sample ID: Method Blank

Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714

ALS Sample ID: P170607-MB

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Analyst: Simon Cao

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 6/7/17

Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

| CAS # | Compound | Result µg/m ³ | MRL µg/m ³ | MDL µg/m ³ | Result ppbV | MRL ppbV | MDL ppbV | Data Qualifier |
|-------------|---------------------------|-----------------------------|--------------------------|--------------------------|----------------|-------------|-------------|-------------------|
| 106-93-4 | 1,2-Dibromoethane | ND | 0.50 | 0.16 | ND | 0.065 | 0.021 | |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.14 | ND | 0.074 | 0.021 | |
| 108-90-7 | Chlorobenzene | ND | 0.50 | 0.16 | ND | 0.11 | 0.035 | |
| 100-41-4 | Ethylbenzene | ND | 0.50 | 0.16 | ND | 0.12 | 0.037 | |
| 179601-23-1 | m,p-Xylenes | ND | 1.0 | 0.30 | ND | 0.23 | 0.069 | |
| 75-25-2 | Bromoform | ND | 0.50 | 0.15 | ND | 0.048 | 0.015 | |
| 100-42-5 | Styrene | ND | 0.50 | 0.15 | ND | 0.12 | 0.035 | |
| 95-47-6 | o-Xylene | ND | 0.50 | 0.15 | ND | 0.12 | 0.035 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.15 | ND | 0.073 | 0.022 | |
| 98-82-8 | Cumene | ND | 0.50 | 0.15 | ND | 0.10 | 0.031 | |
| 622-96-8 | 4-Ethyltoluene | ND | 0.50 | 0.16 | ND | 0.10 | 0.033 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.50 | 0.16 | ND | 0.10 | 0.033 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.50 | 0.15 | ND | 0.10 | 0.031 | |
| 100-44-7 | Benzyl Chloride | ND | 0.50 | 0.11 | ND | 0.097 | 0.021 | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 0.50 | 0.15 | ND | 0.083 | 0.025 | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 0.50 | 0.14 | ND | 0.083 | 0.023 | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 0.50 | 0.15 | ND | 0.083 | 0.025 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.50 | 0.16 | ND | 0.067 | 0.022 | |
| 91-20-3 | Naphthalene | ND | 0.50 | 0.18 | ND | 0.095 | 0.034 | |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | 0.14 | ND | 0.047 | 0.013 | |

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Waste Management-Stony Hollow Landfill
Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
 Analyst: Simon Cao
 Sample Type: 6.0 L Silonite Canister(s)
 Test Notes:

Date(s) Collected: 6/4/17
 Date(s) Received: 6/6/17
 Date(s) Analyzed: 6/7/17

| Client Sample ID | ALS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|--------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P170607-MB | 96 | 101 | 102 | 70-130 | |
| Lab Control Sample | P170607-LCS | 95 | 101 | 104 | 70-130 | |
| SHAA-N-07 | P1702714-001 | 96 | 101 | 103 | 70-130 | |
| SHAA-S-07 | P1702714-002 | 96 | 100 | 103 | 70-130 | |

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 3

Client: Waste Management-Stony Hollow Landfill
Client Sample ID: Lab Control Sample
Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714
 ALS Sample ID: P170607-LCS

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
 Analyst: Simon Cao
 Sample Type: 6.0 L Silonite Canister
 Test Notes:

Date Collected: NA
 Date Received: NA
 Date Analyzed: 6/7/17
 Volume(s) Analyzed: 0.125 Liter(s)

| CAS # | Compound | Spike Amount µg/m ³ | Result µg/m ³ | % Recovery | ALS | Data Qualifier |
|-----------|--|-----------------------------------|-----------------------------|------------|----------------------|-------------------|
| | | | | | Acceptance Limits | |
| 115-07-1 | Propene | 210 | 182 | 87 | 52-127 | |
| 75-71-8 | Dichlorodifluoromethane (CFC 12) | 210 | 189 | 90 | 68-109 | |
| 74-87-3 | Chloromethane | 210 | 165 | 79 | 51-130 | |
| 76-14-2 | 1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114) | 211 | 183 | 87 | 66-114 | |
| 75-01-4 | Vinyl Chloride | 210 | 180 | 86 | 61-125 | |
| 106-99-0 | 1,3-Butadiene | 210 | 207 | 99 | 62-144 | |
| 74-83-9 | Bromomethane | 210 | 198 | 94 | 73-123 | |
| 75-00-3 | Chloroethane | 210 | 196 | 93 | 69-122 | |
| 67-64-1 | Acetone | 1,060 | 970 | 92 | 57-117 | |
| 75-69-4 | Trichlorofluoromethane (CFC 11) | 210 | 185 | 88 | 63-98 | |
| 67-63-0 | 2-Propanol (Isopropyl Alcohol) | 424 | 399 | 94 | 66-121 | |
| 75-35-4 | 1,1-Dichloroethene | 213 | 203 | 95 | 76-118 | |
| 75-09-2 | Methylene Chloride | 212 | 185 | 87 | 60-118 | |
| 76-13-1 | Trichlorotrifluoroethane (CFC 113) | 212 | 198 | 93 | 73-114 | |
| 75-15-0 | Carbon Disulfide | 213 | 190 | 89 | 57-102 | |
| 156-60-5 | trans-1,2-Dichloroethene | 213 | 204 | 96 | 74-123 | |
| 75-34-3 | 1,1-Dichloroethane | 212 | 195 | 92 | 69-111 | |
| 1634-04-4 | Methyl tert-Butyl Ether | 213 | 193 | 91 | 69-113 | |
| 108-05-4 | Vinyl Acetate | 1,060 | 1200 | 113 | 76-128 | |
| 78-93-3 | 2-Butanone (MEK) | 212 | 207 | 98 | 63-127 | |
| 156-59-2 | cis-1,2-Dichloroethene | 212 | 193 | 91 | 72-117 | |

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result. Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 2 of 3

Client: Waste Management-Stony Hollow Landfill

Client Sample ID: Lab Control Sample

Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714

ALS Sample ID: P170607-LCS

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: NA

Analyst: Simon Cao

Date Analyzed: 6/7/17

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

| CAS # | Compound | Spike Amount µg/m ³ | Result µg/m ³ | % Recovery | ALS | Data Qualifier |
|------------|---------------------------|-----------------------------------|-----------------------------|------------|----------------------|-------------------|
| | | | | | Acceptance Limits | |
| 141-78-6 | Ethyl Acetate | 426 | 419 | 98 | 68-127 | |
| 110-54-3 | n-Hexane | 213 | 193 | 91 | 55-116 | |
| 67-66-3 | Chloroform | 212 | 190 | 90 | 70-109 | |
| 109-99-9 | Tetrahydrofuran (THF) | 213 | 197 | 92 | 72-113 | |
| 107-06-2 | 1,2-Dichloroethane | 212 | 191 | 90 | 69-113 | |
| 71-55-6 | 1,1,1-Trichloroethane | 212 | 189 | 89 | 72-115 | |
| 71-43-2 | Benzene | 212 | 186 | 88 | 65-107 | |
| 56-23-5 | Carbon Tetrachloride | 213 | 194 | 91 | 71-113 | |
| 110-82-7 | Cyclohexane | 425 | 396 | 93 | 71-115 | |
| 78-87-5 | 1,2-Dichloropropane | 212 | 203 | 96 | 71-115 | |
| 75-27-4 | Bromodichloromethane | 214 | 196 | 92 | 75-118 | |
| 79-01-6 | Trichloroethene | 212 | 196 | 92 | 68-114 | |
| 123-91-1 | 1,4-Dioxane | 213 | 210 | 99 | 81-131 | |
| 142-82-5 | n-Heptane | 213 | 199 | 93 | 68-116 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 210 | 210 | 100 | 77-126 | |
| 108-10-1 | 4-Methyl-2-pentanone | 213 | 211 | 99 | 69-126 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 213 | 225 | 106 | 79-125 | |
| 79-00-5 | 1,1,2-Trichloroethane | 212 | 204 | 96 | 75-119 | |
| 108-88-3 | Toluene | 212 | 196 | 92 | 59-118 | |
| 591-78-6 | 2-Hexanone | 213 | 222 | 104 | 69-129 | |
| 124-48-1 | Dibromochloromethane | 213 | 220 | 103 | 74-136 | |

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 3 of 3

Client: Waste Management-Stony Hollow Landfill

Client Sample ID: Lab Control Sample

Client Project ID: Stony Hollow Landfill

ALS Project ID: P1702714

ALS Sample ID: P170607-LCS

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: NA

Analyst: Simon Cao

Date Analyzed: 6/7/17

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

| CAS # | Compound | Spike Amount µg/m ³ | Result µg/m ³ | % Recovery | ALS | Data Qualifier |
|-------------|---------------------------|-----------------------------------|-----------------------------|------------|----------------------|-------------------|
| | | | | | Acceptance Limits | |
| 106-93-4 | 1,2-Dibromoethane | 212 | 223 | 105 | 73-131 | |
| 127-18-4 | Tetrachloroethene | 213 | 212 | 100 | 65-130 | |
| 108-90-7 | Chlorobenzene | 212 | 207 | 98 | 68-120 | |
| 100-41-4 | Ethylbenzene | 212 | 199 | 94 | 68-122 | |
| 179601-23-1 | m,p-Xylenes | 424 | 408 | 96 | 68-123 | |
| 75-25-2 | Bromoform | 212 | 229 | 108 | 69-130 | |
| 100-42-5 | Styrene | 212 | 228 | 108 | 71-133 | |
| 95-47-6 | o-Xylene | 212 | 202 | 95 | 68-122 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 212 | 229 | 108 | 69-130 | |
| 98-82-8 | Cumene | 212 | 207 | 98 | 70-123 | |
| 622-96-8 | 4-Ethyltoluene | 212 | 224 | 106 | 67-130 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 212 | 207 | 98 | 67-124 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 212 | 217 | 102 | 67-129 | |
| 100-44-7 | Benzyl Chloride | 212 | 279 | 132 | 79-138 | |
| 541-73-1 | 1,3-Dichlorobenzene | 212 | 235 | 111 | 65-136 | |
| 106-46-7 | 1,4-Dichlorobenzene | 213 | 235 | 110 | 66-141 | |
| 95-50-1 | 1,2-Dichlorobenzene | 212 | 232 | 109 | 67-136 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 212 | 284 | 134 | 64-134 | |
| 91-20-3 | Naphthalene | 214 | 284 | 133 | 62-136 | |
| 87-68-3 | Hexachlorobutadiene | 213 | 231 | 108 | 60-133 | |

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result. Reported results are shown in concentration units and as a result of the calculation, may vary slightly.



20-Jun-2017

Alex Zelles
Waste Management
2460 S. Gettysburg Rd
Dayton, OH 45417

Tel: (937) 356-6204
Fax:

Re: Stony Hollow Landfill

Work Order: **1706143**

Dear Alex,

ALS Environmental received 2 samples on 05-Jun-2017 05:45 PM for the analyses presented in the following report.

This is a REVISED REPORT. The Case Narrative provides information discussing the reason for issuing a revised report. The total number of pages in this revision is 7.

If you have any questions regarding these test results, please feel free to contact me.

Sincerely,

Rob Nieman

Electronically approved by: Rob Nieman

Rob Nieman
Project Manager

ADDRESS 4388 Glendale Milford Rd Cincinnati, Ohio 45242- | PHONE (513) 733-5336 | FAX (513) 733-5347

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Environmental

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RIGHT SOLUTIONS RIGHT PARTNER

Client: Waste Management
Project: Stony Hollow Landfill
Work Order: 1706143

Work Order Sample Summary

| <u>Lab Samp ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u> |
|--------------------|-------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 1706143-01 | SHAA-N-07 | Air | | 6/4/2017 | 6/6/2017 | <input type="checkbox"/> |
| 1706143-02 | SHAA-S-07 | Air | | 6/4/2017 | 6/6/2017 | <input type="checkbox"/> |

Client: Waste Management
Project: Stony Hollow Landfill
Work Order: 1706143

Case Narrative

The sample condition upon receipt was acceptable except where noted.

Results relate only to the items tested and are not blank corrected unless indicated.

Compound identification is based upon retention time matching only. Any compound with a similar retention time will interfere.

Samples were prepared and analyzed by the analytical method and the laboratory's applicable standard operating procedure listed below:

- IH-001- "Determination of Analytes Using NIOSH and OSHA Methods Using Gas Chromatography."
- IH-002- "Determination of Suspended Particulates in the Atmosphere Using Various Media"
- IH-003- "Determination of Suspended Particulates Not Otherwise Regulated (Total and Respirable)."
- IH-004- "Determination of Analytes by NIOSH and OSHA Methods Using Liquid Chromatography."
- IH-005- "Benzene-Soluble Fraction and Total Particulate (Asphalt Fume)."
- IH-006- "Methods IO-3.1 and IO-3.4 Modified for Metals Preparation and Analysis for Suspended Particulates."
- IH-196- "Carbon Black by OSHA 196."
- IH-6009- "Determination of Mercury in Industrial Hygiene Samples by Manual Cold Vapor Atomic Absorption Spectroscopy."
- ENV-6010B- "Determination of Trace Metals in Solution by Inductively Coupled Plasma-Atomic Emission Spectroscopy by EPA Method 6010B Non-VAP."
- IH-7300 modified- "Elements by ICP."

This report was revised as follows: formaldehyde results were corrected due to false positive peak being present.

Client: Waste Management
Project: Stony Hollow Landfill

Work Order: 1706143

Analytical Results

Lab ID: 1706143-01A
Client Sample ID: SHAA-N-07

Collection Date: 6/4/2017
Matrix: AIR

Analyses

| ALDEHYDE(S) BY OSHA 1007 MOD. | | Method: O1007 | Time (Min): 1440 | Analyst: JMB |
|--------------------------------------|-------------|------------------------------|-------------------------|---------------------|
| Date Analyzed: 6/6/2017 15:26 | | | | |
| | µg/sample | Reporting Limit µg/sample | ppm | |
| Acetaldehyde | ND | 0.090 | <0.0015 | |
| Benzaldehyde | ND | 0.090 | <0.0010 | |
| Butyraldehyde | ND | 0.090 | <0.0013 | |
| Crotonaldehyde | ND | 0.090 | <0.0022 | |
| Formaldehyde | 0.19 | 0.090 | 0.0038 | |
| Hexanaldehyde | ND | 0.090 | <0.0016 | |
| Propionaldehyde | ND | 0.090 | <0.0019 | |

Lab ID: 1706143-02A
Client Sample ID: SHAA-S-07

Collection Date: 6/4/2017
Matrix: AIR

Analyses

| ALDEHYDE(S) BY OSHA 1007 MOD. | | Method: O1007 | Time (Min): 1440 | Analyst: JMB |
|--------------------------------------|-------------|------------------------------|-------------------------|---------------------|
| Date Analyzed: 6/6/2017 15:26 | | | | |
| | µg/sample | Reporting Limit µg/sample | ppm | |
| Acetaldehyde | ND | 0.090 | <0.0015 | |
| Benzaldehyde | ND | 0.090 | <0.0010 | |
| Butyraldehyde | ND | 0.090 | <0.0013 | |
| Crotonaldehyde | 0.17 | 0.090 | 0.0042 | |
| Formaldehyde | 0.21 | 0.090 | 0.0041 | |
| Hexanaldehyde | ND | 0.090 | <0.0016 | |
| Propionaldehyde | ND | 0.090 | <0.0019 | |

Note:

Client: Waste Management
Work Order: 1706143
Project: Stony Hollow Landfill

QC BATCH REPORT

Batch ID: **43602** Instrument ID: **HPLC2** Method: **O1007**

| MBLK | Sample ID: MBLK-43602-43602 | | | Units: µg/sample | | | Analysis Date: 6/6/2017 03:26 PM | | | |
|-------------|------------------------------------|-----|---------|-------------------------|------|---------------|---|------|--------------|------|
| Client ID: | Run ID: HPLC2_170606B | | | SeqNo: 1519260 | | | Prep Date: 6/6/2017 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

| | | | | | | | | | | |
|-----------------|----|-------|--|--|--|--|--|--|--|--|
| Acetaldehyde | ND | 0.045 | | | | | | | | |
| Benzaldehyde | ND | 0.045 | | | | | | | | |
| Butyraldehyde | ND | 0.045 | | | | | | | | |
| Crotonaldehyde | ND | 0.045 | | | | | | | | |
| Formaldehyde | ND | 0.045 | | | | | | | | |
| Hexanaldehyde | ND | 0.045 | | | | | | | | |
| Propionaldehyde | ND | 0.045 | | | | | | | | |

| LCS | Sample ID: LCS-43602-43602 | | | Units: µg/sample | | | Analysis Date: 6/6/2017 03:26 PM | | | |
|------------|-----------------------------------|-----|---------|-------------------------|------|---------------|---|------|--------------|------|
| Client ID: | Run ID: HPLC2_170606B | | | SeqNo: 1519261 | | | Prep Date: 6/6/2017 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

| | | | | | | | | | | |
|-----------------|-------|-------|-----|---|------|--------|---|--|--|--|
| Acetaldehyde | 1.52 | 0.045 | 1.5 | 0 | 101 | 70-130 | 0 | | | |
| Benzaldehyde | 1.48 | 0.045 | 1.5 | 0 | 98.7 | 70-130 | 0 | | | |
| Butyraldehyde | 1.443 | 0.045 | 1.5 | 0 | 96.2 | 70-130 | 0 | | | |
| Crotonaldehyde | 1.469 | 0.045 | 1.5 | 0 | 97.9 | 70-130 | 0 | | | |
| Formaldehyde | 1.453 | 0.045 | 1.5 | 0 | 96.9 | 70-130 | 0 | | | |
| Hexanaldehyde | 1.758 | 0.045 | 1.5 | 0 | 117 | 70-130 | 0 | | | |
| Propionaldehyde | 1.46 | 0.045 | 1.5 | 0 | 97.3 | 70-130 | 0 | | | |

| LCSD | Sample ID: LCSD-43602-43602 | | | Units: µg/sample | | | Analysis Date: 6/6/2017 03:26 PM | | | |
|-------------|------------------------------------|-----|---------|-------------------------|------|---------------|---|------|--------------|------|
| Client ID: | Run ID: HPLC2_170606B | | | SeqNo: 1519266 | | | Prep Date: 6/6/2017 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |

| | | | | | | | | | | |
|-----------------|-------|-------|-----|---|-----|--------|-------|------|----|----|
| Acetaldehyde | 2.895 | 0.090 | 1.5 | 0 | 193 | 70-130 | 1.52 | 62.3 | 20 | SR |
| Benzaldehyde | 2.793 | 0.090 | 1.5 | 0 | 186 | 70-130 | 1.48 | 61.4 | 20 | SR |
| Butyraldehyde | 2.827 | 0.090 | 1.5 | 0 | 188 | 70-130 | 1.443 | 64.8 | 20 | SR |
| Crotonaldehyde | 2.8 | 0.090 | 1.5 | 0 | 187 | 70-130 | 1.469 | 62.4 | 20 | SR |
| Formaldehyde | 2.793 | 0.090 | 1.5 | 0 | 186 | 70-130 | 1.453 | 63.1 | 20 | SR |
| Hexanaldehyde | 2.828 | 0.090 | 1.5 | 0 | 189 | 70-130 | 1.758 | 46.7 | 20 | SR |
| Propionaldehyde | 2.785 | 0.090 | 1.5 | 0 | 186 | 70-130 | 1.46 | 62.4 | 20 | SR |

The following samples were analyzed in this batch: 1706143-01A 1706143-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Waste Management
Project: Stony Hollow Landfill
WorkOrder: 1706143

**QUALIFIERS,
ACRONYMS, UNITS**

| <u>Qualifier</u> | <u>Description</u> |
|------------------|---|
| * | Value exceeds Regulatory Limit |
| a | Not accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| J | Analyte detected below quantitation limit |
| n | Not offered for accreditation |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |

| <u>Acronym</u> | <u>Description</u> |
|----------------|-------------------------------------|
| DUP | Method Duplicate |
| E | EPA Method |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MQL | Method Quantitation Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PDS | Post Digestion Spike |
| PQL | Practical Quantitation Limit |
| SDL | Sample Detection Limit |
| SW | SW-846 Method |

| <u>Units Reported</u> | <u>Description</u> |
|-----------------------|--------------------|
| µg/sample | |

Sample Receipt Checklist

Client Name: STONYHOLLOWLANDFILL-DAY

Date/Time Received: 05-Jun-17 17:45

Work Order: 1706143

Received by: JNW

Checklist completed by: J an Wilcox 06-Jun-17
eSignature | Date

Reviewed by: Rob Nieman 06-Jun-17
eSignature | Date

Matrices:

Carrier name: ALSHN

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Container/Temp Blank temperature in compliance? Yes No

Temperature(s)/Thermometer(s):

Cooler(s)/Kit(s):

Water - VOA vials have zero headspace? Yes No No VOA vials submitted

Water - pH acceptable upon receipt? Yes No N/A

pH adjusted? Yes No N/A

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

1750643



ANALYTICAL SERVICES REQUEST AND CHAIN OF CUSTODY

| | |
|--|--|
| Send to LJB: <input type="checkbox"/> Invoice <input checked="" type="checkbox"/> Results | Send to: <input checked="" type="checkbox"/> Invoice <input checked="" type="checkbox"/> Results |
| Contact: Alex Zelles | Contact: Peter Lucas |
| Address/Email: azelles@ljbinc.com 2500 Newmark Drive Miamisburg, OH 45342 | Address/Email: plucas2@wm.com |
| Phone: 937-259-5022 or 630-632-5859 | Phone: |
| Fax: | Fax: |

LJB job #: P.O. #: Per Peter Lucas/WM

Sample site: Stony Hollow Landfill

Sampled by: ~~Alex Zelles~~ Shannon Mueller

Signature: *Shannon Mueller*

Rush Phone results
 Standard turnaround Fax results
 Email results

Need by: 3-day turnaround

Special instructions:

| Analysis Requested | | | | | | | Remarks: |
|--------------------|--|--|--|--|--|--|----------|
| OSHA-1007 | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Sample ID | Date | Time | Matrix | Comp | Grab | # Btls |
|-----------|------------|-----------|--------|------|------|--------|
| SHAA-N-07 | 6/3-6/4/17 | 0837-0837 | Air | | X | 1 |
| SHAA-S-07 | 6/3-6/4/17 | 0858-0859 | Air | | X | 1 |

ALS LAB USE ONLY

COOLER TEMP: °C pH ADJUSTMENTS:

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS
 STD MAIL PRY MAIL ALS COURIER OTHER:

CUSTODY SEALS: NONE COOLER PACKAGE SAMPLES

EQUIP. RETURNED:

| | | | |
|---|------------------------------------|--|----------------------------|
| Relinquished by: <i>Shannon Mueller</i> | Date/time: 6/5/17 0859 | Received by: <i>[Signature]</i> | Date/time: 6/5/17 8:22 am |
| Relinquished by: [Signature] | Date/time: 6/5/17 11:28 | Received by: <i>[Signature]</i> | Date/time: 6/5/17 12:02 pm |
| Relinquished by: <i>[Signature]</i> | Date/time: 6/5/17 4:55 | Received at lab by: <i>[Signature]</i> | Date/time: |