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

September 16, 2016

Ms. Eileen Moran
Unit Supervisor
Regional Air Pollution Control Agency
117 South Main Street
Dayton, OH 45422

Re: Ambient Air Sampling Results
Stony Hollow Landfill
Facility ID No. 08-57-04-3008

Dear Ms. Moran:

Stony Hollow Landfill, Inc. (Stony Hollow) contracted with SCS Engineers (SCS) to collect ambient air samples during the commencement of the landfill gas collection system Phase 1 vertical well installation. Four (4) downwind ambient air samples were collected between September 7-8, 2016 by SCS field personnel during gas construction activities.

Please find attached to this submittal letter the SCS ambient air sampling report, which includes the analytical results prepared by ALS Environmental. Per the SCS review of the analytical results, the measured concentrations within the air samples do not indicate a public health hazard is present.

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

Sincerely,

Peter Lucas, P.E.
District Engineer

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

Environmental Consultants
and Contractors

5963 La Place Court
Suite 207
Carlsbad, CA 92008

760 744-9611
FAX 760 744-8616
www.scsengineers.com

SCS ENGINEERS

September 15th, 2016

Mr. Peter Lucas, P.E.
Waste Management
2460 S. Gettysburg Ave.
Dayton, OH 45417

Subject: Air Sampling Results - September 7th and 8th 2016 Sampling

Dear Mr. Lucas:

The following pages provide the sampling parameters and results from the sampling events on September 7th and September 8th, 2016. Two downwind samples were collected on each day using "certified clean" SUMMA canisters with flow control orifices. The following table provides the respective sampling parameters:

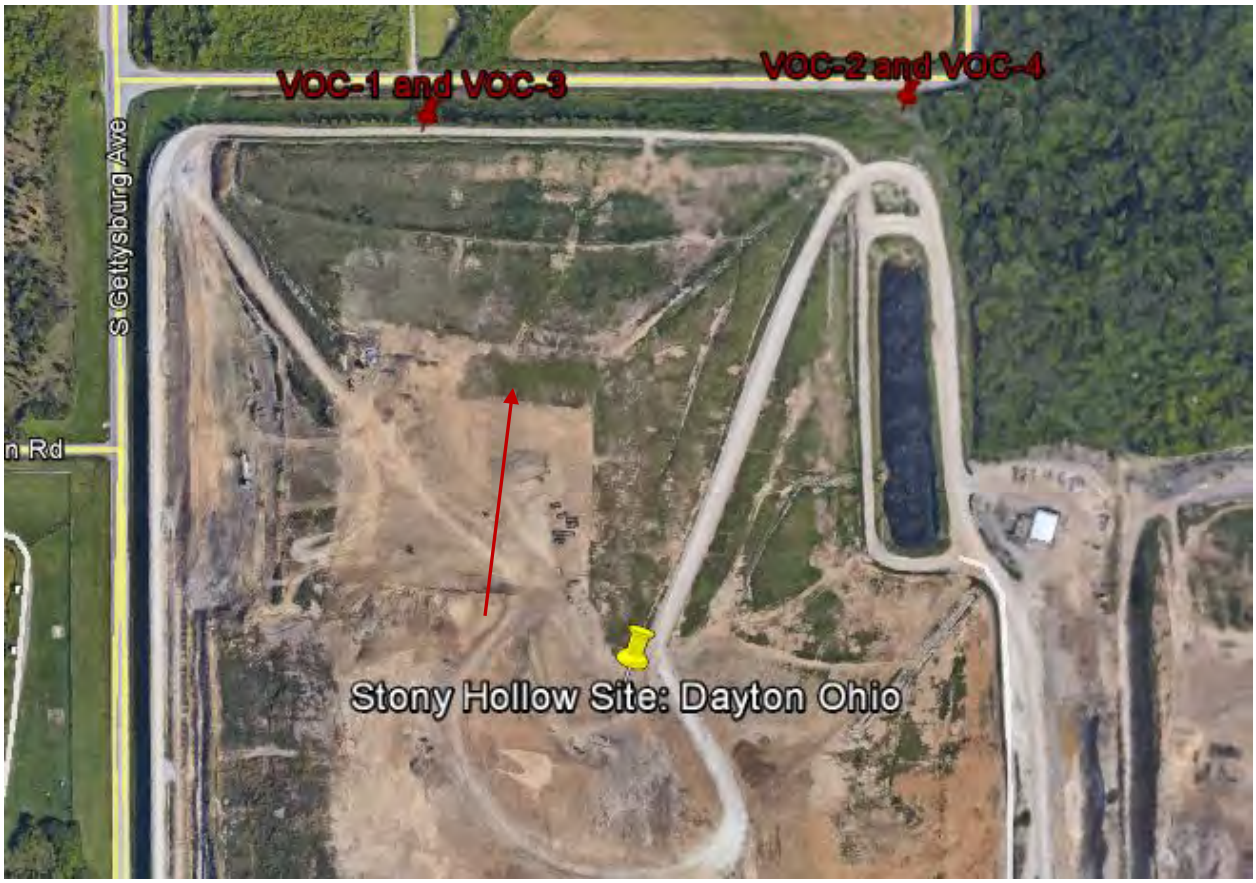
Date	Sample ID	Canister ID	Start Time	Stop Time
09/07/2016	VOC-1	425	09:20	13:50
09/07/2016	VOC-2	422	09:28	13:58
09/08/2016	VOC-3	496	07:55	14:55
09/08/2016	VOC-4	107	08:05	15:05

- *The following page provides the approximate sample locations for the samples referenced above.*

Upon completion of sampling, the canisters were shipped to ALS Environmental for analysis according to EPA Method TO-15. The samples were shipped overnight with chain of custody documentation instructing the lab to perform the analysis on a 2-working day turnaround time. Samples were received by ALS on 9/8/2016 and 9/9/2016. Analytical results were provided to SCS on 9/12/2016 and 09/13/16 according to the required schedule.

None of the samples collected had measured concentrations of specific compounds that exceeded or even approached the NIOSH REL or OSHA PEL relative to that compound. A comparison of the results to established benchmarks is provided on Pages 3 and 4. The measured concentrations of BTEX (Benzene, Toluene, Ethyl Benzene and Xylenes) compounds indicate the possibility the samples were influenced by vehicle exhaust. This is very possible due to the proximity of the nearby road to the sampling locations. The measured concentrations due not indicate a public health hazard is present.

The pages following this summary provide supplemental documentation including the sampling log from the site, the sample work order (chain of custody), and finally the analytical report from the lab. Please let me know if you have any questions or concerns.



The red arrow in figure above indicates the predominant wind direction during the periods samples were collected according to the facilities on-site weather station. Wind was generally from the South to Southwest during the sampled periods.

Regards,

Paul W. Schafer
Vice President/Project Director
SCS ENGINEERS

VOC Sampling Results: EPA Method TO-15

Volatile Organic Compounds, TO-15 Sampling Results

	All Results in Parts Per Billion (ppb)				NIOSH REL
Analyte	TO15-1	TO15-2	TO15-3	TO15-4	(ppb)
Propene	ND	ND	ND	ND	**NA**
Dichlorodifluoromethane	**0.48**	**0.47**	**0.49**	**0.49**	**1000000**
Chloromethane	**0.68**	**0.67**	ND	**0.74**	**100000**
Freon 114	ND	ND	ND	ND	**NA**
Vinyl chloride	ND	ND	ND	ND	**1000**
1,3-Butadiene	ND	ND	ND	ND	**1000**
Bromomethane	ND	ND	ND	ND	**20000**
Chloroethane	ND	ND	ND	ND	**1000000**
Ethanol	**6.4**	**13**	**13**	**53**	**1000000**
Isopropyl Alcohol	ND	ND	ND	ND	**400000**
Freon 11	**0.23**	**0.25**	**0.24**	**0.34**	**1000000**
Freon 113	ND	ND	ND	ND	**1000000**
1,1-Dichloroethene	ND	ND	ND	ND	**200000**
Acetone	**3.9**	**4.9**	**5.3**	**8.1**	**250000**
Carbon disulfide	ND	ND	**1.3**	ND	**1000**
Methylene Chloride	ND	ND	ND	**0.34**	**25000**
trans-1,2-Dichloroethene	ND	ND	ND	ND	**200000**
Methyl t-butyl ether	ND	ND	ND	ND	**2000**
Vinyl acetate	ND	ND	ND	ND	**4000**
2-Butanone (MEK)	**0.33**	**0.80**	**1.1**	**3.0**	**200**
cis-1,2-Dichloroethene	ND	ND	ND	ND	**200000**
1,1-Dichloroethane	ND	ND	ND	ND	**NA**
Ethyl acetate	ND	ND	ND	ND	**400000**
Hexane	ND	ND	**0.16**	**0.19**	**50000**
Chloroform	ND	ND	ND	ND	**2000**
Tetrahydrofuran	ND	**1.1**	ND	**7.1**	**200000**
1,2-Dichloroethane	ND	ND	ND	ND	**1000**
1,1,1-Trichloroethane	ND	ND	ND	ND	**350000**
Carbon tetrachloride	ND	ND	ND	ND	**2000**
Benzene	**0.17**	**0.59**	**0.2**	**3.2**	**100**

	All Results in Parts Per Billion (ppb)				NIOSH REL
Analyte	TO15-1	TO15-2	TO15-3	TO15-4	(ppb)
Cyclohexane	ND	ND	ND	ND	**300000**
Trichloroethene	ND	ND	ND	ND	**100000**
1,2-Dichloropropane	ND	ND	ND	ND	**75000**
Bromodichloromethane	ND	ND	ND	ND	**NA**
Heptane	ND	ND	ND	ND	**85000**
cis-1,3-Dichloropropene	ND	ND	ND	ND	**1000**
4-Methyl-2-pentanone	ND	ND	ND	**0.16**	**50000**
trans-1,3-Dichloropropene	ND	ND	ND	ND	**1000**
1,1,2-Trichloroethane	ND	ND	ND	ND	**10000**
Toluene	**0.27**	**0.37**	**0.44**	**1.4**	**100000**
2-Hexanone	ND	ND	ND	ND	**1000**
Tetrachloroethene	ND	ND	ND	ND	**100000**
Dibromochloromethane	ND	ND	ND	ND	**NA**
1,2-Dibromoethane	ND	ND	ND	ND	**45**
Chlorobenzene	ND	ND	ND	ND	**75000**
Ethyl benzene	ND	ND	ND	**0.38**	**100000**
m,p-Xylene	**0.23**	**0.38**	**0.19**	**0.93**	**100000**
o-Xylene	ND	ND	ND	**0.31**	**100000**
Styrene	ND	ND	ND	ND	**50000**
Bromoform	ND	ND	ND	ND	**500**
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	**1000**
4-Ethyl toluene	ND	ND	ND	ND	**NA**
1,3,5-Trimethylbenzene	ND	ND	ND	ND	**25000**
1,2,4-Trimethylbenzene	ND	**0.19**	ND	**0.22**	**25000**
1,3-Dichlorobenzene	ND	ND	ND	ND	**50000**
1,4-Dichlorobenzene	ND	ND	ND	ND	**50000**
Benzyl chloride	ND	ND	ND	ND	**1000**
1,2-Dichlorobenzene	ND	ND	ND	ND	**50000**
1,2,4-Trichlorobenzene	ND	ND	ND	ND	**5000**
Hexachlorobutadiene	ND	ND	ND	ND	**20**

**The stricter (i.e. lower concentration) is listed whenever both the NIOSH REL or OSHA PEL are published for each pollutant.*

SCS Engineers

VOC Sampling Log - TO-15

Sampling Date	9/7/2016	Site Name	S.H.	Operator	Gabriel Williamson

Sample Type	VOC	Sample ID	VOC-1	Comments:
Cannister #	425			I checked Canister every half h
Start Time	9:20 AM	Stop Time	1:50 PM	and recorded Hg.
Start Po	29 Hg	Stop Pf	10 Hg	

Comments:

GPS : Latitude:	39.718444
GPS Longitude:	-84.249891

Sample Type	VOC	Sample ID	VOC-2	Comments:
Cannister #	422			I checked Canister every half h
Start Time	9:28 AM	Stop Time	1:58 PM	and recorded Hg.
Start Po	26 Hg	Stop Pf	5 Hg	

Comments:

GPS : Latitude:	39.718857
GPS Longitude:	-84.246125

Sample Type	VOC	Sample ID	VOC-	Comments:
Cannister #				
Start Time		Stop Time		
Start Po		Stop Pf		

Comments:

GPS : Latitude:	
GPS Longitude:	

Sample Type	VOC	Sample ID	VOC-	Comments:
Cannister #				
Start Time		Stop Time		
Start Po		Stop Pf		

Comments:

GPS : Latitude:	
GPS Longitude:	

SCS Engineers

VOC Sampling Log - TO-15

Sampling Date: 9/8/2016 | Site Name: S.H. | Operator: Gabriel Williamson

Sample Type	VOC	Sample ID	VOC-	Comments:
Cannister #	496			I checked Canister every half h
Start Time	7:55 AM	Stop Time	2:55 PM	and recorded Hg.
Start Po	30 Hg	Stop Pf	6 Hg	

Comments:

GPS : Latitude:	39.718378
GPS Longitude:	-84.249988

Sample Type	VOC	Sample ID	VOC-	Comments:
Cannister #	107			I checked Canister every half h
Start Time	8:05 AM	Stop Time	3:05 PM	and recorded Hg.
Start Po	30 Hg	Stop Pf	8 Hg	

Comments:

GPS : Latitude:	39.718502
GPS Longitude:	-84247788

Sample Type	VOC	Sample ID	VOC-	Comments:
Cannister #				
Start Time		Stop Time		
Start Po		Stop Pf		

Comments:

GPS : Latitude:	
GPS Longitude:	

Sample Type	VOC	Sample ID	VOC-	Comments:
Cannister #				
Start Time		Stop Time		
Start Po		Stop Pf		

Comments:

GPS : Latitude:	
GPS Longitude:	

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W 1625288

ANALYTICAL REQUEST FORM

1625288

1. ☐ REGULAR Status

☒ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY 2 DAY TAT
DATE
CONTACT ALS SALT LAKE PRIOR TO SENDING SAMPLES

2. Date 9-7-16 Purchase Order No. 242116188.00

3. Company Name SCS ENGINEERS

Address

Person to Contact Paul Schafer

Telephone (619) 823-5333

Fax Telephone ( )

E-mail Address PSchafer@scsengineers

Billing Address (if different from above)

4. Quote No.

ALS Project Manager STELLA

5. Sample Collection

Sampling Site STONEY HOLLOW

Industrial Process

Date of Collection Wednesday 9-7-16

Time Collected 9:20 AM to 1:58 pm

Date of Shipment Wednesday 9-7-16

Chain of Custody No.

6. How did you first learn about ALS?

7. REQUEST FOR ANALYSES

Client Sample Number	Matrix*	Sample/Area Volume	ANALYSES REQUESTED - Use method number if known	Units**	Lab Comments
~~TO-15~~ 0425'	AIR	10 Hg	TO-15		
~~TO-15~~ 0422'	AIR	5 Hg	TO-15		

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other

** 1. µg/sample 2. mg/m^3 3. ppm 4. % 5. µg/m^3 6. ____ (other) Please indicate one or more units in the column entitled Units**

Comments 2 listed on COC

Possible Contamination and/or Chemical Hazards

7. Chain of Custody (Optional)

Relinquished by		Date/Time	9-7-16 4:48 pm
Received by		Date/Time	09-08-16 10:24
Relinquished by		Date/Time	
Received by		Date/Time	

TA

960 West LeVoy Drive / Salt Lake City, UT 84123 800-356-9135 or 801-266-7700 / FAX: 801-268-9992
ALS Environmental

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

Canister Chain of Custody

Client: SCS	Project/Job/Task:
Account No:	

Please do not apply adhesive labels directly on Canisters
Manilla tags are provided, attached to Canisters for your convenience, to apply adhesive labels

Canister Serial No.:	Date Cleaned	Initial Vacuum (inches of Hg vacuum)	VFR flow rate (ml/min)	Initials:	Field Vacuum before sampling ((inches of Hg vacuum)	Final Vacuum after sampling ((Inches of Hg vacuum)	Client Sample Identification	Other Client Information	ALS use only
0137	08-25-16	725		SB					
0425	↓	↓		↓	29 Hg	10 Hg			
0129									
		↓							
	↓			↓					
VFR Serial No.:									
0716	08-31-16		213.1	SB	29 Hg	10 Hg			
0756	↓		↓	↓					
0758									

Original Field Sample Chain-of-Custody

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/Storage Location
[signature]	9-7-16 4:48pm	[signature]	9-8-16 10:24

Return to:
ALS Laboratory Group
960 W. LeVoy Drive
Salt Lake City, UT 84123
800-356-9135

If canisters are kept for longer than the original project scheduled sampling, a $40 per can - per week rental fee will be assessed. If a project is cancelled after ALS has shipped cans, in addition to the cost of the initial shipping, a $40 weekly rental fee will be charged for each unused can until they are returned to ALS.

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

Canister Chain of Custody

Client: SCS	Project/Job/Task:
Account No:	

Please do not apply adhesive labels directly on Canisters
Manilla tags are provided, attached to Canisters for your convenience, to apply adhesive labels

Canister Serial No.:	Date Cleaned	Initial Vacuum (inches of Hg vacuum)	VFR flow rate (ml/min)	Initials:	Field Vacuum before sampling (inches of Hg vacuum)	Final Vacuum after sampling (Inches of Hg vacuum)	Client Sample Identification	Other Client Information	ALS use only
0362	08-24-16	7.5		JB					
0422	↓	↓		↓	26 Hg	5 Hg			
0496									
0107									
0222	↓	↓		↓					
VFR Serial No.:									
0650	08-31-16		~13.1	JD					
0427	↓		↓	↓					
0717									
0713									
0715	↓		↓	↓	26 Hg	5 Hg			

Original Field Sample Chain-of-Custody

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/Storage Location
[signature]	9/7/16 4:18pm	[signature]	9-8-16 10:24

Return to:
ALS Laboratory Group
960 W. LeVoy Drive
Salt Lake City, UT 84123
800-356-9135

If canisters are kept for longer than the original project scheduled sampling, a $40 per can - per week rental fee will be assessed. If a project is cancelled after ALS has shipped cans, in addition to the cost of the initial shipping, a $40 weekly rental fee will be charged for each unused can until they are returned to ALS.

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W 1625601

ANALYTICAL REQUEST FORM

1625601

1. ☐ **REGULAR Status**

☒ **RUSH Status Requested - ADDITIONAL CHARGE**
RESULTS REQUIRED BY 2 DAY TAT
DATE
CONTACT ALS SALT LAKE PRIOR TO SENDING SAMPLES

2. Date 9-8-16 Purchase Order No. 24216188.00

3. Company Name SCS ENGINEERS

Address

Person to Contact PAUL Schafer

Telephone (619) 823-5333

Fax Telephone ( )

E-mail Address PSchafer@SCSENGINEERS.com

Billing Address (if different from above)

4. Quote No.

ALS Project Manager STELLA

5. **Sample Collection**

Sampling Site STONEY HOLLOW

Industrial Process

Date of Collection Thursday 9-8-16

Time Collected 8:00 AM -

Date of Shipment THURSDAY 9-8-16

Chain of Custody No.

6. How did you first learn about ALS?

7. **REQUEST FOR ANALYSES**

Laboratory Use Only	Client Sample Number	Matrix*	Sample/Area Volume	ANALYSES REQUESTED - Use method number if known	Units**
	0496	AIR	6 Hg	TO-15	
	0107	AIR	8 Hg	TO-15	

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other

** 1. µg/sample 2. mg/m^3 3. ppm 4. % 5. µg/m^3 6.____ (other) Please indicate one or more units in the column entitled Units**

Comments

Possible Contamination and/or Chemical Hazards

7. **Chain of Custody (Optional)**

Relinquished by Gabriel Tabillion Date/Time 9-8-16 3:30pm

Received by Date/Time 9-9-16 10:8:59

Relinquished by Date/Time

Received by Date/Time

960 West LeVoy Drive / Salt Lake City, UT 84123 **800-356-9135 or 801-266-7700 / FAX: 801-268-9992**
ALS Laboratory Group

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

Canister Chain of Custody

Client: SCS	Project/Job/Task:
Account No:	

Please do not apply adhesive labels directly on Canisters
Manilla tags are provided, attached to Canisters for your convenience, to apply adhesive labels

Canister Serial No.:	Date Cleaned	Initial Vacuum (inches of Hg vacuum)	VFR flow rate (ml/min)	Initials:	Field Vacuum before sampling (inches of Hg vacuum)	Final Vacuum after sampling (Inches of Hg vacuum)	Client Sample Identification	Other Client Information	ALS use only
0J62	08-24-16	7.25		DB					
0422	↓	↓		↓	~~26 Hg~~ 9-7	~~5 Hg~~ 9-7			
0496					30 Hg	6 Hg			
0107					30 Hg	8 Hg			
0227	↓	↓		↓					
VFR Serial No.:									
0650	08-31-16		~13.1	SD					
0427	↓		↓	↓					
0717					30 Hg	6 Hg			
0713					30 Hg	8 Hg			
0715	↓		↓	↓	~~26 Hg~~ 9-7	~~5 Hg~~ 9-7			

Original Field Sample Chain-of-Custody

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/Storage Location
[signature]	9/8/16 3:30 pm	[signature]	9-9-16 - 8:59

Return to:
ALS Laboratory Group
960 W. LeVoy Drive
Salt Lake City, UT 84123
800-356-9135

If canisters are kept for longer than the original project scheduled sampling, a $40 per can - per week rental fee will be assessed. If a project is cancelled after ALS has shipped cans, in addition to the cost of the initial shipping, a $40 weekly rental fee will be charged for each unused can until they are returned to ALS.

ANALYTICAL REPORT

Report Date: September 12, 2016

Paul Schafer
SCS Environmental
970 Los Vallecitos Blvd.
Suite 100
San Marcos, CA 92069

Phone: 760-744-9611
Fax: 760-744-8616
E-mail: pschafer@scsengineers.com

Workorder: **34-1625288**
Project ID: 24216188.00/Stoney Hollow
Purchase Order: 24216188.00
Project Manager Stella Hanis

Client Sample ID	Lab ID	Collect Date	Receive Date	Sampling Site
0425	1625288001	09/07/16	09/08/16	Stoney Hollow
0422	1625288002	09/07/16	09/08/16	Stoney Hollow

ANALYTICAL REPORT

Workorder: 34-1625288
Client: SCS Tracer Environmental
Project Manager: Stella Hanis

Analytical Results

Sample ID: **0425** | Sampling Site: Stoney Hollow | Collected: 09/07/2016
Lab ID: 1625288001 | Media: Summa 6 Liter Canister | Received: 09/08/2016
Matrix: Air | Sampling Parameter: NA

Analysis Method - EPA TO-15

Preparation: Not Applicable
Analysis: EPA TO-15, Air
Batch: IVOA/3356 (HBN: 176405)
Analyzed: 09/08/2016 17:59
Instrument ID: 5975-L
Percent Solid: NA
Report Basis: Wet

Analyte	Result (ppb)	Result (ug/m³)	MDL (ppb)	RL (ppb)	Dilution	Qual
Dichlorodifluoromethane	0.48	2.4	0.15	0.50	1	J
Chloromethane	**0.68**	**1.4**	0.15	0.50	1	
Freon 114	ND	<1.0	0.15	0.50	1	U
Vinyl chloride	ND	<0.38	0.15	0.50	1	U
1,3-Butadiene	ND	<0.33	0.15	0.50	1	U
Bromomethane	ND	<0.58	0.15	0.50	1	U
Chloroethane	ND	<0.40	0.15	0.50	1	U
Freon 11	0.23	1.3	0.15	0.50	1	J
Freon 113	ND	<1.1	0.15	0.50	1	U
1,1-Dichloroethene	ND	<0.59	0.15	0.50	1	U
Acetone	**3.9**	**9.3**	0.30	1.0	1	
Carbon disulfide	ND	<0.47	0.15	0.50	1	U
Methylene chloride	ND	<0.52	0.15	0.50	1	U
trans-1,2-Dichloroethene	ND	<0.59	0.15	0.50	1	U
Methyl t-butyl ether	ND	<0.54	0.15	0.50	1	U
Vinyl acetate	ND	<0.53	0.15	0.50	1	U
2-Butanone	0.33	0.98	0.15	0.50	1	J
cis-1,2-Dichloroethene	ND	<0.59	0.15	0.50	1	U
1,1-Dichloroethane	ND	<0.61	0.15	0.50	1	U
Ethyl acetate	ND	<0.54	0.15	1.0	1	U
Hexane	ND	<0.53	0.15	0.50	1	U
Chloroform	ND	<0.73	0.15	0.50	1	U
Tetrahydrofuran	ND	<0.44	0.15	0.50	1	U
1,2-Dichloroethane	ND	<0.61	0.15	0.50	1	U
1,1,1-Trichloroethane	ND	<0.82	0.15	0.50	1	U
Carbon tetrachloride	ND	<0.94	0.15	0.50	1	U
Benzene	0.17	0.53	0.15	0.50	1	J
Cyclohexane	ND	<0.52	0.15	0.50	1	U
Trichloroethene	ND	<0.81	0.15	0.50	1	U
1,2-Dichloropropane	ND	<0.73	0.15	0.50	1	U
Bromodichloromethane	ND	<1.0	0.15	0.50	1	U
Heptane	ND	<0.61	0.15	0.50	1	U
cis-1,3-Dichloropropene	ND	<0.68	0.15	0.50	1	U
4-Methyl-2-pentanone	ND	<0.61	0.15	0.50	1	U
trans-1,3-Dichloropropene	ND	<0.68	0.15	0.50	1	U

Results Continued on Next Page

ANALYTICAL REPORT

Workorder: 34-1625288
Client: SCS Tracer Environmental
Project Manager: Stella Hanis

Analytical Results

Sample ID: **0425** | Sampling Site: Stoney Hollow | Collected: 09/07/2016
Lab ID: 1625288001 | Media: Summa 6 Liter Canister | Received: 09/08/2016
Matrix: Air | Sampling Parameter: NA

Analysis Method - EPA TO-15

Preparation: Not Applicable
Analysis: EPA TO-15, Air | **Instrument ID:** 5975-L
Batch: IVOA/3356 (HBN: 176405) | **Percent Solid:** NA
Analyzed: 09/08/2016 17:59 | **Report Basis:** Wet

Analyte	Result (ppb)	Result (ug/m³)	MDL (ppb)	RL (ppb)	Dilution	Qual
1,1,2-Trichloroethane	ND	<0.82	0.15	0.50	1	U
Toluene	0.27	1.0	0.15	0.50	1	J
2-Hexanone	ND	<1.2	0.30	1.0	1	U
Tetrachloroethene	ND	<1.0	0.15	0.50	1	U
Dibromochloromethane	ND	<1.3	0.15	0.50	1	U
1,2-Dibromoethane	ND	<1.2	0.15	0.50	1	U
Chlorobenzene	ND	<0.69	0.15	0.50	1	U
Ethyl benzene	ND	<0.65	0.15	0.50	1	U
m,p-Xylene	0.23	0.98	0.15	0.50	1	J
o-Xylene	ND	<0.65	0.15	0.50	1	U
Styrene	ND	<0.64	0.15	0.50	1	U
Bromoform	ND	<1.6	0.15	0.50	1	U
1,1,2,2-Tetrachloroethane	ND	<1.0	0.15	0.50	1	U
4-Ethyl toluene	ND	<0.74	0.15	1.0	1	U
1,3,5-Trimethylbenzene	ND	<0.74	0.15	0.50	1	U
1,2,4-Trimethylbenzene	ND	<0.74	0.15	0.50	1	U
1,3-Dichlorobenzene	ND	<0.90	0.15	0.50	1	U
1,4-Dichlorobenzene	ND	<0.90	0.15	0.50	1	U
Benzyl chloride	ND	<1.6	0.30	1.0	1	U
1,2-Dichlorobenzene	ND	<1.8	0.30	1.0	1	U
1,2,4-Trichlorobenzene	ND	<2.2	0.30	1.0	1	U
Hexachlorobutadiene	ND	<3.2	0.30	1.0	1	U
Total Volatile Organics	22	89	NA	NA	1	J

Analysis Method - EPA TO-15

Preparation: Not Applicable
Analysis: EPA TO-15, Air | **Instrument ID:** 5975-L
Batch: IVOA/3356 (HBN: 176405) | **Percent Solid:** NA
Analyzed: 09/08/2016 17:59 | **Report Basis:** Wet

Tentatively Identified Compound	Result (ppb)	Retention Time	Dilution	Qual
Ethanol	6.4	5.23	1	J

ANALYTICAL REPORT

Workorder: 34-1625288
Client: SCS Tracer Environmental
Project Manager: Stella Hanis

Analytical Results

Sample ID: **0422** | Sampling Site: Stoney Hollow | Collected: 09/07/2016
Lab ID: 1625288002 | Media: Summa 6 Liter Canister | Received: 09/08/2016
Matrix: Air | Sampling Parameter: NA

Analysis Method - EPA TO-15

Preparation: Not Applicable
Analysis: EPA TO-15, Air
Batch: IVOA/3356 (HBN: 176405)
Analyzed: 09/08/2016 18:50
Instrument ID: 5975-L
Percent Solid: NA
Report Basis: Wet

Analyte	Result (ppb)	Result (ug/m³)	MDL (ppb)	RL (ppb)	Dilution	Qual
Dichlorodifluoromethane	0.47	2.3	0.15	0.50	1	J
Chloromethane	**0.67**	**1.4**	0.15	0.50	1	
Freon 114	ND	<1.0	0.15	0.50	1	U
Vinyl chloride	ND	<0.38	0.15	0.50	1	U
1,3-Butadiene	ND	<0.33	0.15	0.50	1	U
Bromomethane	ND	<0.58	0.15	0.50	1	U
Chloroethane	ND	<0.40	0.15	0.50	1	U
Freon 11	0.25	1.4	0.15	0.50	1	J
Freon 113	ND	<1.1	0.15	0.50	1	U
1,1-Dichloroethene	ND	<0.59	0.15	0.50	1	U
Acetone	**4.9**	**12**	0.30	1.0	1	
Carbon disulfide	ND	<0.47	0.15	0.50	1	U
Methylene chloride	ND	<0.52	0.15	0.50	1	U
trans-1,2-Dichloroethene	ND	<0.59	0.15	0.50	1	U
Methyl t-butyl ether	ND	<0.54	0.15	0.50	1	U
Vinyl acetate	ND	<0.53	0.15	0.50	1	U
2-Butanone	**0.80**	**2.4**	0.15	0.50	1	
cis-1,2-Dichloroethene	ND	<0.59	0.15	0.50	1	U
1,1-Dichloroethane	ND	<0.61	0.15	0.50	1	U
Ethyl acetate	ND	<0.54	0.15	1.0	1	U
Hexane	ND	<0.53	0.15	0.50	1	U
Chloroform	ND	<0.73	0.15	0.50	1	U
Tetrahydrofuran	**1.1**	**3.4**	0.15	0.50	1	
1,2-Dichloroethane	ND	<0.61	0.15	0.50	1	U
1,1,1-Trichloroethane	ND	<0.82	0.15	0.50	1	U
Carbon tetrachloride	ND	<0.94	0.15	0.50	1	U
Benzene	**0.59**	**1.9**	0.15	0.50	1	
Cyclohexane	ND	<0.52	0.15	0.50	1	U
Trichloroethene	ND	<0.81	0.15	0.50	1	U
1,2-Dichloropropane	ND	<0.73	0.15	0.50	1	U
Bromodichloromethane	ND	<1.0	0.15	0.50	1	U
Heptane	ND	<0.61	0.15	0.50	1	U
cis-1,3-Dichloropropene	ND	<0.68	0.15	0.50	1	U
4-Methyl-2-pentanone	ND	<0.61	0.15	0.50	1	U
trans-1,3-Dichloropropene	ND	<0.68	0.15	0.50	1	U

Results Continued on Next Page

ANALYTICAL REPORT

Workorder: 34-1625288
Client: SCS Tracer Environmental
Project Manager: Stella Hanis

Analytical Results

Sample ID: **0422** | Sampling Site: Stoney Hollow | Collected: 09/07/2016
Lab ID: 1625288002 | Media: Summa 6 Liter Canister | Received: 09/08/2016
Matrix: Air | Sampling Parameter: NA

Analysis Method - EPA TO-15

Preparation: Not Applicable
Analysis: EPA TO-15, Air | **Instrument ID:** 5975-L
Batch: IVOA/3356 (HBN: 176405) | **Percent Solid:** NA
Analyzed: 09/08/2016 18:50 | **Report Basis:** Wet

Analyte	Result (ppb)	Result (ug/m³)	MDL (ppb)	RL (ppb)	Dilution	Qual
1,1,2-Trichloroethane	ND	<0.82	0.15	0.50	1	U
Toluene	0.37	1.4	0.15	0.50	1	J
2-Hexanone	ND	<1.2	0.30	1.0	1	U
Tetrachloroethene	ND	<1.0	0.15	0.50	1	U
Dibromochloromethane	ND	<1.3	0.15	0.50	1	U
1,2-Dibromoethane	ND	<1.2	0.15	0.50	1	U
Chlorobenzene	ND	<0.69	0.15	0.50	1	U
Ethyl benzene	ND	<0.65	0.15	0.50	1	U
m,p-Xylene	0.38	1.6	0.15	0.50	1	J
o-Xylene	ND	<0.65	0.15	0.50	1	U
Styrene	ND	<0.64	0.15	0.50	1	U
Bromoform	ND	<1.6	0.15	0.50	1	U
1,1,2,2-Tetrachloroethane	ND	<1.0	0.15	0.50	1	U
4-Ethyl toluene	ND	<0.74	0.15	1.0	1	U
1,3,5-Trimethylbenzene	ND	<0.74	0.15	0.50	1	U
1,2,4-Trimethylbenzene	0.19	0.93	0.15	0.50	1	J
1,3-Dichlorobenzene	ND	<0.90	0.15	0.50	1	U
1,4-Dichlorobenzene	ND	<0.90	0.15	0.50	1	U
Benzyl chloride	ND	<1.6	0.30	1.0	1	U
1,2-Dichlorobenzene	ND	<1.8	0.30	1.0	1	U
1,2,4-Trichlorobenzene	ND	<2.2	0.30	1.0	1	U
Hexachlorobutadiene	ND	<3.2	0.30	1.0	1	U
Total Volatile Organics	32	130	NA	NA	1	J

Analysis Method - EPA TO-15

Preparation: Not Applicable
Analysis: EPA TO-15, Air | **Instrument ID:** 5975-L
Batch: IVOA/3356 (HBN: 176405) | **Percent Solid:** NA
Analyzed: 09/08/2016 18:50 | **Report Basis:** Wet

Tentatively Identified Compound	Result (ppb)	Retention Time	Dilution	Qual
Ethanol	13	5.20	1	J

Comments

Quality Control: **EPA TO-15 - (HBN: 176405)**

The following compounds in the CCV were outside of +/- 30%: vinyl acetate and ethyl acetate.

ANALYTICAL REPORT

Workorder: 34-1625288
Client: SCS Tracer Environmental
Project Manager: Stella Hanis

Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method	Analyst	Peer Review
EPA TO-15	/S/ Lisa M. Reid 09/12/2016 12:06	/S/ Jorden Baum 09/12/2016 13:16

Laboratory Contact Information

ALS Environmental
960 W Levoy Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
Email: alslt.lab@ALSGlobal.com
Web: www.alsslc.com

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
Samples have not been blank corrected unless otherwise noted.
This test report shall not be reproduced, except in full, without written approval of ALS.

ALS provides professional analytical services for all samples submitted. ALS is not in a position to interpret the data and assumes no responsibility for the quality of the samples submitted.

All quality control samples processed with the samples in this report yielded acceptable results unless otherwise noted.

ALS is accredited for specific fields of testing (scopes) in the following testing sectors. The quality system implemented at ALS conforms to accreditation requirements and is applied to all analytical testing performed by ALS. The following table lists testing sector, accreditation body, accreditation number and website. Please contact these accrediting bodies or your ALS project manager for the current scope of accreditation that applies to your analytical testing.

Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Environmental	ANAB (DoD ELAP)	ADE-1420	http://www.anab.org/accredited-organizations/
	Utah (NELAC)	DATA1	http://health.utah.gov/lab/labimp/
	Nevada	UT00009	http://ndep.nv.gov/bsdw/labservice.htm
	Oklahoma	UT00009	http://www.deq.state.ok.us/CSDnew/
	Iowa	IA# 376	http://www.iowadnr.gov/InsideDNR/RegulatoryWater.aspx
	Texas (TNI)	T104704456-11-1	http://www.tceq.texas.gov/field/qa/lab_accred_certif.html
	Washington	C596-16	http://www.ecy.wa.gov/programs/eap/labs/index.html
	Kansas	E-10416	http://www.kdheks.gov/lipo/index.html
Industrial Hygiene	AIHA LAP LLC (ISO 17025 & IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
	Washington	C596-16	http://www.ecy.wa.gov/programs/eap/labs/index.html
Lead Testing:			
CPSC	ANAB (ISO 17025, CPSC)	ADE-1420	http://www.anab.org/accredited-organizations/
Soil, Dust, Paint ,Air	AIHA LAP LLC (ISO 17025 & IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
Dietary Supplements	ACLASS (ISO 17025)	ADE-1420	http://www.aclasscorp.com

ANALYTICAL REPORT

Workorder: 34-1625288
Client: SCS Tracer Environmental
Project Manager: Stella Hanis

Result Symbol Definitions

MDL = Method Detection Limit, a statistical estimate of method/media/instrument sensitivity.
RL = Reporting Limit, a verified value of method/media/instrument sensitivity.
CRDL = Contract Required Detection Limit
Reg. Limit = Regulatory Limit.
ND = Not Detected, testing result not detected above the MDL or RL.
< This testing result is less than the numerical value.
** No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U = Qualifier indicates that the analyte was not detected above the MDL.
J = Qualifier Indicates that the analyte value is between the MDL and the RL. It is also used to indicate an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.
B = Qualifier indicates that the analyte was detected in the blank.
E = Qualifier indicates that the analyte result exceeds calibration range.
P = Qualifier indicates that the RPD between the two columns is greater than 40%.

ANALYTICAL REPORT

Report Date: September 13, 2016

Paul Schafer
SCS Environmental
970 Los Vallecitos Blvd.
Suite 100
San Marcos, CA 92069

Phone: 760-744-9611
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E-mail: pschafer@scsengineers.com

Workorder: **34-1625601**
Project ID: 24216188.00/Stoney Hollow
Purchase Order: 24216188.00
Project Manager Stella Hanis

Client Sample ID	Lab ID	Collect Date	Receive Date	Sampling Site
0496	1625601001	09/08/16	09/09/16	Stoney Hollow
0107	1625601002	09/08/16	09/09/16	Stoney Hollow

ANALYTICAL REPORT

Workorder: 34-1625601
Client: SCS Tracer Environmental
Project Manager: Stella Hanis

Analytical Results

Sample ID: **0496** | Sampling Site: Stoney Hollow | Collected: 09/08/2016
Lab ID: 1625601001 | Media: Summa 6 Liter Canister | Received: 09/09/2016
Matrix: Air | Sampling Parameter: NA

Analysis Method - EPA TO-15

Preparation: Not Applicable
Analysis: EPA TO-15, Air
Batch: IVOA/3358 (HBN: 176478)
Analyzed: 09/12/2016 17:33
Instrument ID: 5975-L
Percent Solid: NA
Report Basis: Wet

Analyte	Result (ppb)	Result (ug/m³)	MDL (ppb)	RL (ppb)	Dilution	Qual
Dichlorodifluoromethane	0.49	2.4	0.15	0.50	1	J
Chloromethane	ND	<0.31	0.15	0.50	1	U
Freon 114	ND	<1.0	0.15	0.50	1	U
Vinyl chloride	ND	<0.38	0.15	0.50	1	U
1,3-Butadiene	ND	<0.33	0.15	0.50	1	U
Bromomethane	ND	<0.58	0.15	0.50	1	U
Chloroethane	ND	<0.40	0.15	0.50	1	U
Freon 11	0.24	1.4	0.15	0.50	1	J
Freon 113	ND	<1.1	0.15	0.50	1	U
1,1-Dichloroethene	ND	<0.59	0.15	0.50	1	U
Acetone	**5.3**	**13**	0.30	1.0	1	
Carbon disulfide	**1.3**	**3.9**	0.15	0.50	1	
Methylene chloride	ND	<0.52	0.15	0.50	1	U
trans-1,2-Dichloroethene	ND	<0.59	0.15	0.50	1	U
Methyl t-butyl ether	ND	<0.54	0.15	0.50	1	U
Vinyl acetate	ND	<0.53	0.15	0.50	1	U
2-Butanone	**1.1**	**3.3**	0.15	0.50	1	
cis-1,2-Dichloroethene	ND	<0.59	0.15	0.50	1	U
1,1-Dichloroethane	ND	<0.61	0.15	0.50	1	U
Ethyl acetate	ND	<0.54	0.15	1.0	1	U
Hexane	0.16	0.55	0.15	0.50	1	J
Chloroform	ND	<0.73	0.15	0.50	1	U
Tetrahydrofuran	ND	<0.44	0.15	0.50	1	U
1,2-Dichloroethane	ND	<0.61	0.15	0.50	1	U
1,1,1-Trichloroethane	ND	<0.82	0.15	0.50	1	U
Carbon tetrachloride	ND	<0.94	0.15	0.50	1	U
Benzene	0.2	0.63	0.15	0.50	1	J
Cyclohexane	ND	<0.52	0.15	0.50	1	U
Trichloroethene	ND	<0.81	0.15	0.50	1	U
1,2-Dichloropropane	ND	<0.73	0.15	0.50	1	U
Bromodichloromethane	ND	<1.0	0.15	0.50	1	U
Heptane	ND	<0.61	0.15	0.50	1	U
cis-1,3-Dichloropropene	ND	<0.68	0.15	0.50	1	U
4-Methyl-2-pentanone	ND	<0.61	0.15	0.50	1	U
trans-1,3-Dichloropropene	ND	<0.68	0.15	0.50	1	U

Results Continued on Next Page

ANALYTICAL REPORT

Workorder: 34-1625601
Client: SCS Tracer Environmental
Project Manager: Stella Hanis

Analytical Results

Sample ID: **0496** | Sampling Site: Stoney Hollow | Collected: 09/08/2016
Lab ID: 1625601001 | Media: Summa 6 Liter Canister | Received: 09/09/2016
Matrix: Air | Sampling Parameter: NA

Analysis Method - EPA TO-15

Preparation: Not Applicable
Analysis: EPA TO-15, Air | **Instrument ID:** 5975-L
Batch: IVOA/3358 (HBN: 176478) | **Percent Solid:** NA
Analyzed: 09/12/2016 17:33 | **Report Basis:** Wet

Analyte	Result (ppb)	Result (ug/m³)	MDL (ppb)	RL (ppb)	Dilution	Qual
1,1,2-Trichloroethane	ND	<0.82	0.15	0.50	1	U
Toluene	0.44	1.7	0.15	0.50	1	J
2-Hexanone	ND	<1.2	0.30	1.0	1	U
Tetrachloroethene	ND	<1.0	0.15	0.50	1	U
Dibromochloromethane	ND	<1.3	0.15	0.50	1	U
1,2-Dibromoethane	ND	<1.2	0.15	0.50	1	U
Chlorobenzene	ND	<0.69	0.15	0.50	1	U
Ethyl benzene	ND	<0.65	0.15	0.50	1	U
m,p-Xylene	0.19	0.82	0.15	0.50	1	J
o-Xylene	ND	<0.65	0.15	0.50	1	U
Styrene	ND	<0.64	0.15	0.50	1	U
Bromoform	ND	<1.6	0.15	0.50	1	U
1,1,2,2-Tetrachloroethane	ND	<1.0	0.15	0.50	1	U
4-Ethyl toluene	ND	<0.74	0.15	1.0	1	U
1,3,5-Trimethylbenzene	ND	<0.74	0.15	0.50	1	U
1,2,4-Trimethylbenzene	ND	<0.74	0.15	0.50	1	U
1,3-Dichlorobenzene	ND	<0.90	0.15	0.50	1	U
1,4-Dichlorobenzene	ND	<0.90	0.15	0.50	1	U
Benzyl chloride	ND	<1.6	0.30	1.0	1	U
1,2-Dichlorobenzene	ND	<1.8	0.30	1.0	1	U
1,2,4-Trichlorobenzene	ND	<2.2	0.30	1.0	1	U
Hexachlorobutadiene	ND	<3.2	0.30	1.0	1	U
Total Volatile Organics	45	190	NA	NA	1	J

Analysis Method - EPA TO-15

Preparation: Not Applicable
Analysis: EPA TO-15, Air | **Instrument ID:** 5975-L
Batch: IVOA/3358 (HBN: 176478) | **Percent Solid:** NA
Analyzed: 09/12/2016 17:33 | **Report Basis:** Wet

Tentatively Identified Compound	Result (ppb)	Retention Time	Dilution	Qual
Acetaldehyde	3.6	4.18	1	J
Ethanol	13	5.17	1	J

ANALYTICAL REPORT

Workorder: 34-1625601
Client: SCS Tracer Environmental
Project Manager: Stella Hanis

Analytical Results

Sample ID: **0107** | Sampling Site: Stoney Hollow | Collected: 09/08/2016
Lab ID: 1625601002 | Media: Summa 6 Liter Canister | Received: 09/09/2016
Matrix: Air | Sampling Parameter: NA

Analysis Method - EPA TO-15

Preparation: Not Applicable
Analysis: EPA TO-15, Air
Batch: IVOA/3358 (HBN: 176478)
Analyzed: 09/12/2016 18:25
Instrument ID: 5975-L
Percent Solid: NA
Report Basis: Wet

Analyte	Result (ppb)	Result (ug/m³)	MDL (ppb)	RL (ppb)	Dilution	Qual
Dichlorodifluoromethane	0.49	2.4	0.15	0.50	1	J
Chloromethane	**0.74**	**1.5**	0.15	0.50	1	
Freon 114	ND	<1.0	0.15	0.50	1	U
Vinyl chloride	ND	<0.38	0.15	0.50	1	U
1,3-Butadiene	ND	<0.33	0.15	0.50	1	U
Bromomethane	ND	<0.58	0.15	0.50	1	U
Chloroethane	ND	<0.40	0.15	0.50	1	U
Freon 11	0.34	1.9	0.15	0.50	1	J
Freon 113	ND	<1.1	0.15	0.50	1	U
1,1-Dichloroethene	ND	<0.59	0.15	0.50	1	U
Acetone	**8.1**	**19**	0.30	1.0	1	
Carbon disulfide	ND	<0.47	0.15	0.50	1	U
Methylene chloride	0.34	1.2	0.15	0.50	1	J
trans-1,2-Dichloroethene	ND	<0.59	0.15	0.50	1	U
Methyl t-butyl ether	ND	<0.54	0.15	0.50	1	U
Vinyl acetate	ND	<0.53	0.15	0.50	1	U
2-Butanone	**3.0**	**8.7**	0.15	0.50	1	
cis-1,2-Dichloroethene	ND	<0.59	0.15	0.50	1	U
1,1-Dichloroethane	ND	<0.61	0.15	0.50	1	U
Ethyl acetate	ND	<0.54	0.15	1.0	1	U
Hexane	0.19	0.66	0.15	0.50	1	J
Chloroform	ND	<0.73	0.15	0.50	1	U
Tetrahydrofuran	**7.1**	**21**	0.15	0.50	1	
1,2-Dichloroethane	ND	<0.61	0.15	0.50	1	U
1,1,1-Trichloroethane	ND	<0.82	0.15	0.50	1	U
Carbon tetrachloride	ND	<0.94	0.15	0.50	1	U
Benzene	**3.2**	**10**	0.15	0.50	1	
Cyclohexane	ND	<0.52	0.15	0.50	1	U
Trichloroethene	ND	<0.81	0.15	0.50	1	U
1,2-Dichloropropane	ND	<0.73	0.15	0.50	1	U
Bromodichloromethane	ND	<1.0	0.15	0.50	1	U
Heptane	ND	<0.61	0.15	0.50	1	U
cis-1,3-Dichloropropene	ND	<0.68	0.15	0.50	1	U
4-Methyl-2-pentanone	0.16	0.66	0.15	0.50	1	J
trans-1,3-Dichloropropene	ND	<0.68	0.15	0.50	1	U

Results Continued on Next Page

ANALYTICAL REPORT

Workorder: 34-1625601
Client: SCS Tracer Environmental
Project Manager: Stella Hanis

Analytical Results

Sample ID: **0107** | Sampling Site: Stoney Hollow | Collected: 09/08/2016
Lab ID: 1625601002 | Media: Summa 6 Liter Canister | Received: 09/09/2016
Matrix: Air | Sampling Parameter: NA

Analysis Method - EPA TO-15

Preparation: Not Applicable
Analysis: EPA TO-15, Air | **Instrument ID:** 5975-L
Batch: IVOA/3358 (HBN: 176478) | **Percent Solid:** NA
Analyzed: 09/12/2016 18:25 | **Report Basis:** Wet

Analyte	Result (ppb)	Result (ug/m³)	MDL (ppb)	RL (ppb)	Dilution	Qual
1,1,2-Trichloroethane	ND	<0.82	0.15	0.50	1	U
Toluene	**1.4**	**5.3**	0.15	0.50	1	
2-Hexanone	ND	<1.2	0.30	1.0	1	U
Tetrachloroethene	ND	<1.0	0.15	0.50	1	U
Dibromochloromethane	ND	<1.3	0.15	0.50	1	U
1,2-Dibromoethane	ND	<1.2	0.15	0.50	1	U
Chlorobenzene	ND	<0.69	0.15	0.50	1	U
Ethyl benzene	0.38	1.6	0.15	0.50	1	J
m,p-Xylene	**0.93**	**4.0**	0.15	0.50	1	
o-Xylene	0.31	1.3	0.15	0.50	1	J
Styrene	ND	<0.64	0.15	0.50	1	U
Bromoform	ND	<1.6	0.15	0.50	1	U
1,1,2,2-Tetrachloroethane	ND	<1.0	0.15	0.50	1	U
4-Ethyl toluene	ND	<0.74	0.15	1.0	1	U
1,3,5-Trimethylbenzene	ND	<0.74	0.15	0.50	1	U
1,2,4-Trimethylbenzene	0.22	1.1	0.15	0.50	1	J
1,3-Dichlorobenzene	ND	<0.90	0.15	0.50	1	U
1,4-Dichlorobenzene	ND	<0.90	0.15	0.50	1	U
Benzyl chloride	ND	<1.6	0.30	1.0	1	U
1,2-Dichlorobenzene	ND	<1.8	0.30	1.0	1	U
1,2,4-Trichlorobenzene	ND	<2.2	0.30	1.0	1	U
Hexachlorobutadiene	ND	<3.2	0.30	1.0	1	U
Total Volatile Organics	45	190	NA	NA	1	J

Analysis Method - EPA TO-15

Preparation: Not Applicable
Analysis: EPA TO-15, Air | **Instrument ID:** 5975-L
Batch: IVOA/3358 (HBN: 176478) | **Percent Solid:** NA
Analyzed: 09/12/2016 18:25 | **Report Basis:** Wet

Tentatively Identified Compound	Result (ppb)	Retention Time	Dilution	Qual
Ethanol	53	5.15	1	J
Isopropyl Alcohol	6.5	5.82	1	J

Comments

Quality Control: **EPA TO-15 - (HBN: 176478)**

The following compounds in the CCV were outside of +/- 30% : Tetrahydrofuran and Chlorobenzene.

ANALYTICAL REPORT

Workorder: 34-1625601
Client: SCS Tracer Environmental
Project Manager: Stella Hanis

Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method	Analyst	Peer Review
EPA TO-15	/S/ Lisa M. Reid 09/13/2016 11:34	/S/ Jorden Baum 09/13/2016 13:51

Laboratory Contact Information

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General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
Samples have not been blank corrected unless otherwise noted.
This test report shall not be reproduced, except in full, without written approval of ALS.

ALS provides professional analytical services for all samples submitted. ALS is not in a position to interpret the data and assumes no responsibility for the quality of the samples submitted.

All quality control samples processed with the samples in this report yielded acceptable results unless otherwise noted.

ALS is accredited for specific fields of testing (scopes) in the following testing sectors. The quality system implemented at ALS conforms to accreditation requirements and is applied to all analytical testing performed by ALS. The following table lists testing sector, accreditation body, accreditation number and website. Please contact these accrediting bodies or your ALS project manager for the current scope of accreditation that applies to your analytical testing.

Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Environmental	ANAB (DoD ELAP)	ADE-1420	http://www.anab.org/accredited-organizations/
	Utah (NELAC)	DATA1	http://health.utah.gov/lab/labimp/
	Nevada	UT00009	http://ndep.nv.gov/bsdw/labservice.htm
	Oklahoma	UT00009	http://www.deq.state.ok.us/CSDnew/
	Iowa	IA# 376	http://www.iowadnr.gov/InsideDNR/RegulatoryWater.aspx
	Texas (TNI)	T104704456-11-1	http://www.tceq.texas.gov/field/qa/lab_accred_certif.html
	Washington	C596-16	http://www.ecy.wa.gov/programs/eap/labs/index.html
	Kansas	E-10416	http://www.kdheks.gov/lipo/index.html
Industrial Hygiene	AIHA LAP LLC (ISO 17025 & IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
	Washington	C596-16	http://www.ecy.wa.gov/programs/eap/labs/index.html
Lead Testing:			
CPSC	ANAB (ISO 17025, CPSC)	ADE-1420	http://www.anab.org/accredited-organizations/
Soil, Dust, Paint ,Air	AIHA LAP LLC (ISO 17025 & IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
Dietary Supplements	ACLASS (ISO 17025)	ADE-1420	http://www.aclasscorp.com

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Result Symbol Definitions

MDL = Method Detection Limit, a statistical estimate of method/media/instrument sensitivity.
RL = Reporting Limit, a verified value of method/media/instrument sensitivity.
CRDL = Contract Required Detection Limit
Reg. Limit = Regulatory Limit.
ND = Not Detected, testing result not detected above the MDL or RL.
< This testing result is less than the numerical value.
** No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U = Qualifier indicates that the analyte was not detected above the MDL.
J = Qualifier Indicates that the analyte value is between the MDL and the RL. It is also used to indicate an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.
B = Qualifier indicates that the analyte was detected in the blank.
E = Qualifier indicates that the analyte result exceeds calibration range.
P = Qualifier indicates that the RPD between the two columns is greater than 40%.