Seacliff
ENVIRONMENTAL

September 27, 2016

Melissa L. Sweet
Project Manager
Remedial Section C, Remedial Bureau A
Division of Environmental Remediation
625 Broadway-12th Floor
Albany, New York 12233-7015

Re: SMP Sampling Results
Site # 130193
Elks Plaza
Freeport, New York

Dear Ms. Sweet:

Seacliff Environmental, Inc. (Seacliff) has prepared this progress report to summarize the groundwater sampling at the above referenced property in accordance with the Site Management Plan (SMP) approved by the NYSDEC on May 1, 2015.

The three on-site monitoring wells were purged and sampled by an experienced Seacliff sampling crew on June 28, 2016. The site and monitoring well locations are shown on Figures 1 and 2 respectively.

Seacliff measured water levels and collected groundwater samples from the monitoring wells using low-flow sampling methods. An inertial pump with per-well dedicated tubing was used for both purging of at least three casing volumes and sample collection. This was performed to ensure representative samples from the formation surrounding the wells and to eliminate standing water in the wells. Between sampling locations, the pump was cleaned internally and externally with an Alconox and water solution, followed by a fresh water rinse.

Temperature, pH, dissolved oxygen, turbidity, and specific conductivity measurements were collected and recorded after the removal of each casing volume. Individual well sampling logs were prepared and are provided as Attachment A to this report.

The samples were hand delivered to American Analytical Laboratories, Farmingdale, New York (NYSDOH ID #11418). All groundwater samples were analyzed by EPA Method 8260 – the complete list of volatile organic chemicals (VOCs) - with Category B deliverables.

The groundwater analytical data are summarized on Table 1 and the laboratory report is included in Attachment B. Groundwater analytical results were compared to the New York State Groundwater Standards specified in the NYSDEC TOGS 1.1.1 guidance document. To summarize as follows:

- Acetone and methylene chloride were detected at low concentrations. However, both of these compounds were detected in the laboratory blank samples indicating they are likely lab artifacts.

- Cis 1, 2 dichloroethene, was detected at 0.94 ug/l and tetrachloroethene was detected at 0.66 ug/l in the sample collected from MW-2. Both detections are laboratory-estimated concentrations and both are significantly below their respective NYS Groundwater Standards.

- There were no detections of VOCs (other than the assumed lab artifacts) in the samples collected from MW-1 and MW-3 consistent with 2015 data.

Data validation services for the groundwater samples were provided by Premier Environmental Services of Merrick, New York. The Data Usability Report (DUSR) is included in Attachment C.

Please call or email me if you have any questions.

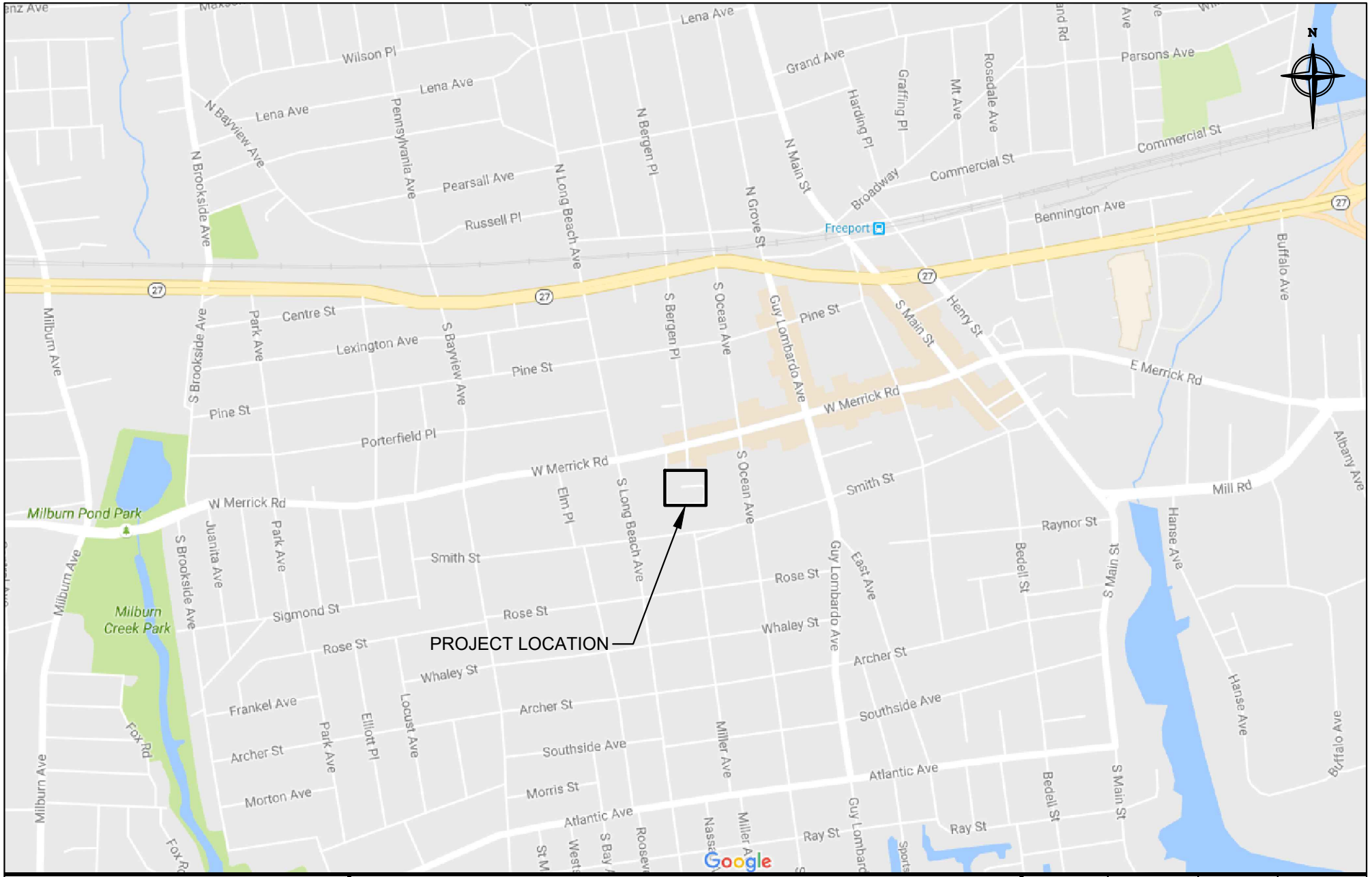
Very Truly Yours,

James M. DeMartinis

James M. DeMartinis
Senior Hydrogeologist

CC Lois Reisman, Elks Plaza LLC

Figures



PREPARED BY:

Seacliff ENVIRONMENTAL

Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Office # (631) 828-5994
Cell # (631) 742-6948

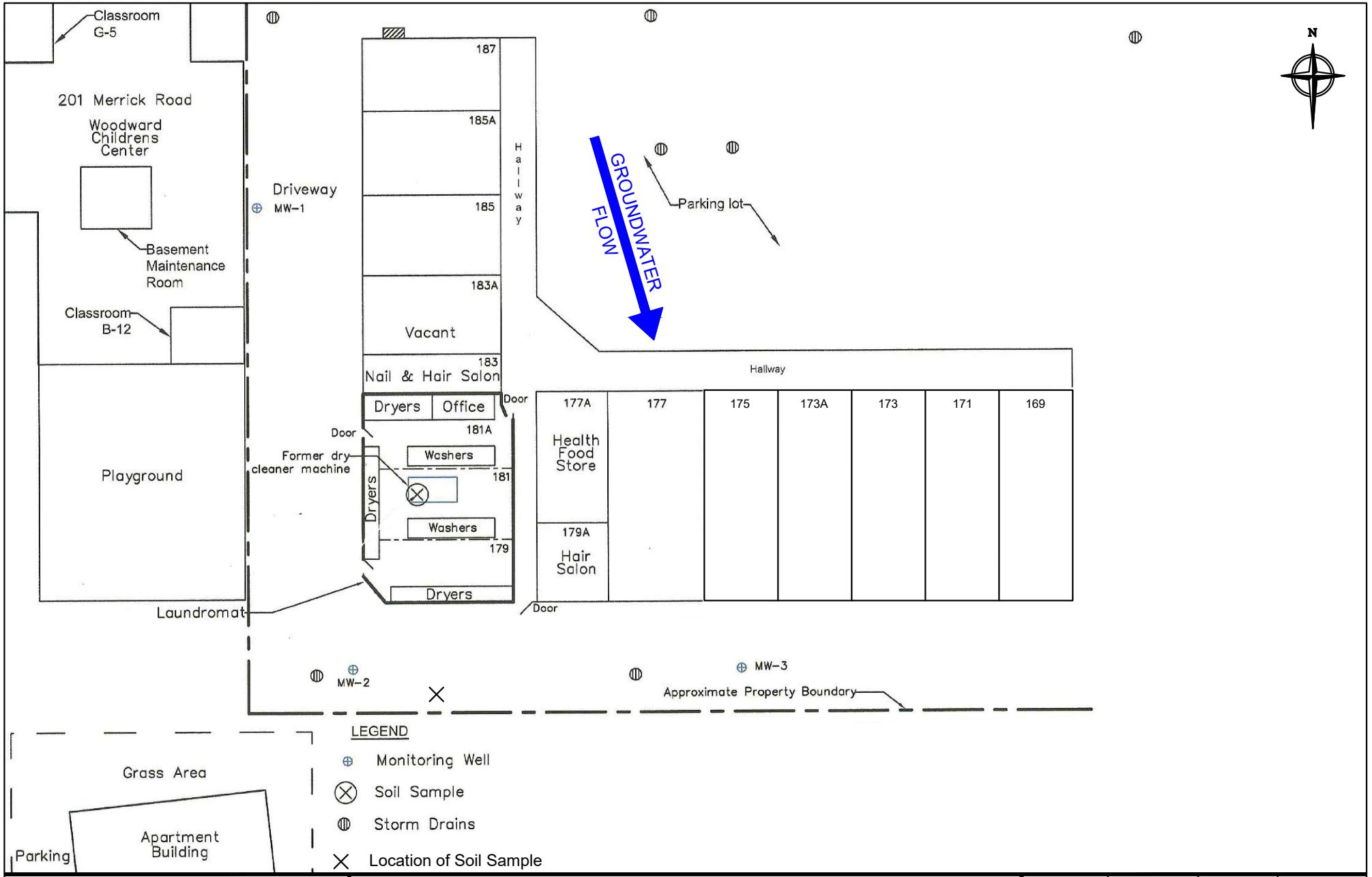
TITLE:

SITE LOCATION MAP

Elks Plaza, LLC
157-189 W. Merrick Road
Freeport, New York

DWN:	SCALE:	DATE:	PROJECT NO.:
LR	1" = 1000'	09-29-16	Elks
CHKD:	APPD:	REV.:	NOTES:
JMD	JMD	-	-

FIGURE NO.: 1



PREPARED BY:	TITLE:				
Seacliff ENVIRONMENTAL	**SITE PLAN** Elks Plaza, LLC 157-189 W. Merrick Road Freeport, New York	DWN: LR	SCALE: 1" = 50'	DATE: 09-29-16	PROJECT NO.: Elks
		CHKD: JMD	APPD: JMD	REV.: -	NOTES: -
		FIGURE NO.: 2			

Seacliff Environmental, Inc.
P.O. Box 2085
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Tables

Elks Plaza, Freeport;
157-189 W. Merrick Road, Freeport, NY
New York State Technical and Operational Guidance Series (TOGS)
Ambient Water Quality Standards and Guidance Values - Class GA
Table 1
Volatile Organic Compounds Ground Water
SW 846 8260C

	Client SampleID:		MW-1		MW-2		MW-3	
	Sampling Date:		06/28/2016		06/28/2016		06/28/2016	
Analyte	Units	Limits		Q		Q		Q
1,1,1,2-Tetrachloroethane	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
1,1,1-Trichloroethane	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
1,1,2,2-Tetrachloroethane	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
1,1,2-Trichloro-1,2,2-trifluoroeth	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
1,1,2-Trichloroethane	ug/L	1	< 0.50	U	< 0.50	U	< 0.50	U
1,1-Dichloroethane	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
1,1-Dichloroethene	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
1,1-Dichloropropene	ug/L	1	< 0.50	U	< 0.50	U	< 0.50	U
1,2,3-Trichlorobenzene	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
1,2,3-Trichloropropane	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
1,2,4,5-Tetramethylbenzene	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
1,2,4-Trichlorobenzene	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
1,2,4-Trimethylbenzene	ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
1,2-Dibromo-3-chloropropane	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
1,2-Dibromoethane	ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
1,2-Dichlorobenzene	ug/L	3	< 0.50	U	< 0.50	U	< 0.50	U
1,2-Dichloroethane	ug/L	0.6	< 0.50	U	< 0.50	U	< 0.50	U
1,2-Dichloropropane	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
1,3,5-Trimethylbenzene	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
1,3-Dichlorobenzene	ug/L	3	< 0.50	U	< 0.50	U	< 0.50	U
1,3-dichloropropane	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
1,4-Dichlorobenzene	ug/L	3	< 0.50	U	< 0.50	U	< 0.50	U
1,4-Dioxane	ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
2,2-Dichloropropane	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
2-Butanone	ug/L	NA	< 1.0	U	< 1.0	U	< 1.0	U
2-Chloroethyl vinyl ether	ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
2-Chlorotoluene	ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
2-Hexanone	ug/L	NA	< 1.0	U	< 1.0	U	< 1.0	U
2-Propanol	ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
4-Chlorotoluene	ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
4-Isopropyltoluene	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
4-Methyl-2-pentanone	ug/L	NA	< 1.0	U	< 1.0	U	< 1.0	U
Acetone	ug/L	50	**1.6**	BJ	**1.7**	BJ	**1.7**	BJ
Acrolein	ug/L	NA	< 5.0	U	< 5.0	U	< 5.0	U
Acrylonitrile	ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
Benzene	ug/L	1	< 0.50	U	< 0.50	U	< 0.50	U
Bromobenzene	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U

Notes:
B - Analyte detected in Method Blank
J - Laboratory estimated concentration
NA - Not available, no value specified in NYS TOGS Limits
ND - Not detected

Elks Plaza, Freeport;
157-189 W. Merrick Road, Freeport, NY
New York State Technical and Operational Guidance Series (TOGS)
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Table 1
Volatile Organic Compounds Ground Water
SW 846 8260C

Analyte	Client SampleID: / Sampling Date:	Units	Limits	MW-1 06/28/2016	Q	MW-2 06/28/2016	Q	MW-3 06/28/2016	Q
Bromochloromethane		ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
Bromodichloromethane		ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
Bromoform		ug/L	50	< 0.50	U	< 0.50	U	< 0.50	U
Bromomethane		ug/L	5	< 1.0	U	< 1.0	U	< 1.0	U
Carbon disulfide		ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
Carbon tetrachloride		ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
Chlorobenzene		ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
Chlorodifluoromethane		ug/L	NA	< 0.30	U	< 0.30	U	< 0.30	U
Chloroethane		ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
Chloroform		ug/L	7	< 0.50	U	< 0.50	U	< 0.50	U
Chloromethane		ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
cis-1,2-Dichloroethene		ug/L	5	< 0.50	U	**0.94**	J	< 0.50	U
cis-1,3-Dichloropropene		ug/L	0.4	< 0.50	U	< 0.50	U	< 0.50	U
Cyclohexane		ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
Dibromochloromethane		ug/L	50	< 0.50	U	< 0.50	U	< 0.50	U
Dibromomethane		ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
Dichlorodifluoromethane		ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
Diisopropyl ether		ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
Ethanol		ug/L	NA	< 2.5	U	< 2.5	U	< 2.5	U
Ethylbenzene		ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
Freon-114		ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
Hexachlorobutadiene		ug/L	0.5	< 0.50	U	< 0.50	U	< 0.50	U
Isopropylbenzene		ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
m,p-Xylene		ug/L	5	< 1.0	U	< 1.0	U	< 1.0	U
Methyl Acetate		ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
Methyl tert-butyl ether		ug/L	10	< 0.50	U	< 0.50	U	< 0.50	U
Methylene chloride		ug/L	5	**6.7**	B	**7.4**	B	**7.3**	B
Naphthalene		ug/L	10	< 0.50	U	< 0.50	U	< 0.50	U
n-Butylbenzene		ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
n-Propylbenzene		ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
o-Xylene		ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
p-Diethylbenzene		ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
p-Ethyltoluene		ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
sec-Butylbenzene		ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
Styrene		ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
t-Butyl alcohol		ug/L	NA	< 2.5	U	< 2.5	U	< 2.5	U
tert-Butylbenzene		ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U

Notes:
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Elks Plaza, Freeport;
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	Sampling Date:		06/28/2016		06/28/2016		06/28/2016	
Analyte	Units	Limits		Q		Q		Q
Tetrachloroethene	ug/L	5	< 0.50	U	**0.66**	J	< 0.50	U
Toluene	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
trans-1,2-Dichloroethene	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
trans-1,3-Dichloropropene	ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
Trichloroethene	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
Trichlorofluoromethane	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
Vinyl acetate	ug/L	NA	< 0.50	U	< 0.50	U	< 0.50	U
Vinyl chloride	ug/L	5	< 0.50	U	< 0.50	U	< 0.50	U
Xylenes, Total	ug/L	NA	< 1.5	U	< 1.5	U	< 1.5	U
Total Volatile Organics	ug/L	NA	**8.3**		**10.7**		**9**	

Notes:
B - Analyte detected in Method Blank
J - Laboratory estimated concentration
NA - Not available, no value specified in NYS TOGS Limits
ND - Not detected

Attachment A

GROUNDWATER SAMPLING LOG

157-189 W Merrick Road
Freeport, New York

Well ID:	MW-1
Date:	6/28/16
Sampling Personnel:	AJS & JC
Weather:	Showers 80°F

WELL INFORMATION

Well Depth (ft):	22.37
Water Level Depth (ft):	13.55
Well Diameter (in):	2

WELL WATER INFORMATION

Length of Water Column (ft):	8.82
Volume of Water in Well (gal):	1.44
Total Volume Purged (gal):	5.0
Duration of Pumping (min):	7

EVACUATION INFORMATION

Pump On: 10:55

Pump Off: 11:02

Time: / *Parameter*	10:56	10:57	10:58	10:59				
DO (mg/L)	5.50	5.50	5.79	5.82				
Temperature (°C)	17.62	17.62	17.62	17.59				
pH	6.55	6.36	6.31	6.30				
Cond (umho's/cm)	530	525	529	530				
Turbidity (NTU)	75.8	68.8	50.7	56.2				

GROUNDWATER SAMPLING LOG

157-189 W Merrick Road
Freeport, New York

Well ID:	MW-2
Date:	6/28/16
Sampling Personnel:	AJS & JC
Weather:	Showers 80°F

WELL INFORMATION

Well Depth (ft):	22.20
Water Level Depth (ft):	12.86
Well Diameter (in):	2

WELL WATER INFORMATION

Length of Water Column (ft):	9.34
Volume of Water in Well (ga	1.52
Total Volume Purged (gal):	5.0
Duration of Pumping (min):	7

EVACUATION INFORMATION

Pump On: 10:40

Pump Off: 10:47

Time: / *Parameter*	10:41	10:42	10;43	10:44			
DO (mg/L)	4.51	4.13	4.06	4.04			
Temperature (°C)	17.61	17.52	17.56	17.00			
pH	6.92	6.74	6.58	6.55			
Cond (umho's/cm)	999	960	702	703			
Turbidity (NTU)	603.0	461.0	178.0	162.0			

GROUNDWATER SAMPLING LOG

157-189 W Merrick Road
Freeport, New York

Well ID:	MW-3
Date:	6/28/16
Sampling Personnel:	AJS & JC
Weather:	Showers 80°F

WELL INFORMATION

Well Depth (ft):	22.40
Water Level Depth (ft):	12.80
Well Diameter (in):	2

WELL WATER INFORMATION

Length of Water Column (ft):	9.60
Volume of Water in Well (gal	1.56
Total Volume Purged (gal):	5.0
Duration of Pumping (min):	7

EVACUATION INFORMATION

Pump On: 10:25

Pump Off: 10:32

Time: / *Parameter*	10:26	10:27	10:28	10:29			
DO (mg/L)	1.42	1.32	1.31	1.30			
Temperature (°C)	18.15	18.13	18.13	18.12			
pH	7.08	6.98	6.93	6.90			
Cond (umho's/cm)	434	436	438	438			
Turbidity (NTU)	52.3	39.6	39.1	35.0			

Attachment B

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

June 30, 2016

Jim DeMartinis
Seacliff Environmental
PO Box 2085
Miller Place, NY 11764
TEL:
FAX

RE: Elks Plaza, Freeport; 157-189 W. Merrick R Order No.: 1606203

Dear Jim DeMartinis:

American Analytical Laboratories, LLC. received 3 sample(s) on 6/28/2016 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report. The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Lori Beyer

Lori Beyer
Lab Director
American Analytical Laboratories, LLC.

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Workorder Sample Summary

WO#: **1606203**

30-Jun-16

CLIENT: Seacliff Environmental

Project: Elks Plaza, Freeport; 157-189 W. Merrick Road,

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1606203-001A	MW-1		6/28/2016 11:00:00 AM	6/28/2016 11:20:00 AM	Liquid
1606203-002A	MW-2		6/28/2016 10:45:00 AM	6/28/2016 11:20:00 AM	Liquid
1606203-003A	MW-3		6/28/2016 10:30:00 AM	6/28/2016 11:20:00 AM	Liquid

CHAIN OF CUSTODY

AMERICAN ANALYTICAL LABORATORIES

56 Toledo Street, Farmingdale NY 11735
(T) 631-454-6100 (F) 631-454-8027
www.american-analytical.com

CERTIFICATIONS
NY ELAP - 11418 PA DEP - 68-00573
NJ DEP - NY050 CT DOH - PH-0205

Client Information

Company Name: Seacliff Environmental
Address: P.O. Box 2085
City: Miller Place State: NY Zip: 11764
Project Contact: Jim DeMartinis
Phone #: 631 828 5994
E-mail:

Project Information

Project Name: Elks Plaza Freeport
Street: 157-189 W. Merrick Road
City: Freeport State: NY Zip:
Project #:
Sampler's Name / Company: AJ Schaft NTC Formation LTD
Sampler's Signature:

Analytical Information

Full 8260 w/cat B deliverables

LAB SAMPLE # (LAB USE ONLY)	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	Number of Each Preserved Bottle: NONE	HCl	NaOH	HNO_3	H_2SO_4	$NaHSO_4$	MeOH	OTHER	Analytical Information
1606203-001	MW-1	G	L	6/28/16	1100	G	2		2							X
002	MW-2	1	1	1	1045	1	1		1							X
003	MW-3	1	1	1	1030	1	1		1							X

Turnaround Time (Business Days)

- [✓] Standard 7-10 Business Days
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

SAMPLE TYPE

G = Grab
C = Composite
B = Blank

MATRIX CODES

L = Liquid PC = Paint Chip
S = Soil SL = Sludge
O = Oil SD = Solid
W = Wipe M = Miscellaneous

Comments / Remarks

Cooler Temp: 0.2°C

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
	6/28/16 1120	AJ Schaft	P Masi	6/28/16 1120	P Masi
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Sample Log-In Check List

Client Name: **SEACLIFF ENV** Work Order Number: **1606203** RcptNo: **1**

Logged by:	**Lori Beyer**	**6/28/2016 11:36:49 AM**	Lori Beyer
Completed By:	**Lori Beyer**	**6/28/2016 11:38:13 AM**	Lori Beyer
Reviewed By:	**Karen Kelly**	**6/28/2016**	Karen Kelly

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
	Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
	No. Seal Date:	Signed By:		
5.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
6.	Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
7.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
8.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9.	Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
11.	Is the headspace in the VOA vials less than 1/4 inch or 6 mm?	Yes ☑	No ☐	No VOA Vials ☐
12.	Were any sample containers received broken?	Yes ☐	No ☑	
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15.	Is it clear what analyses were requested?	Yes ☑	No ☐	
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
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Case Narrative

WO#: **1606203**
Date: **6/30/2016**

CLIENT: Seacliff Environmental
Project: Elks Plaza, Freeport; 157-189 W. Merrick Road,

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion and/or in the QC Summary Section of the lab report with appropriate qualifiers. Additional quality control information such as surrogate recovery values for organic testing is provided as part of the analytical results. Batch MS/MSD results are provided in the QC section of the lab report unless the MS/MSD summary forms indicate one of your sample identifications. MS/MSD results relate only to the parent sample that was spiked.

Volatile LCS are analyzed with preservatives - HCL/NaHSO4/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

The following parameters (if included in this report) are not offered by NY ELAP: VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl acetate, n-Butyl Acetate, n-Propyl Acetate.

The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical report is the sole property of American Analytical Laboratories, LLC. or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American Analytical is not responsible for the use or interpretation of the data included herein.

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Definition Only

WO#: **1606203**
Date: **6/30/2016**

Definitions:

Sample Result and QC Summary Qualifiers - Level I and Level II Reports
ND - Not detected at the reporting limit/Limit of Quantitation

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <5x the blank value as artifact.

E - The value is above the quantitation range

D - Analyte concentration was obtained from diluted analysis or from analysis using reduced sample volume.

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

S - Spike recovery is outside accepted recovery limits.

R - RPD is outside accepted recovery range.

P - Secondary column exceeds 40% difference for GC test.

* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be >20%.

LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.

LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accurary.
m - Analyte was manually integrated for GC/MS.
+ - Concentration exceeds regulatory level for TCLP

American Analytical Laboratories, LLC.

Date: *30-Jun-16*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-1
Lab Order:	1606203	**Collection Date:**	6/28/2016 11:00:00 AM
Project:	Elks Plaza, Freeport; 157-189 W. Merrick Road,	**Matrix:**	LIQUID
Lab ID:	1606203-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
1,1,1,2-Tetrachloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,1,1-Trichloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,1,2,2-Tetrachloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,1,2-Trichloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,1-Dichloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,1-Dichloroethene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,1-Dichloropropene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,2,3-Trichlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,2,3-Trichloropropane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,2,4,5-Tetramethylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,2,4-Trichlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,2,4-Trimethylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,2-Dibromo-3-chloropropane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,2-Dibromoethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,2-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,2-Dichloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,2-Dichloropropane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,3,5-Trimethylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,3-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,3-dichloropropane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,4-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
1,4-Dioxane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
2,2-Dichloropropane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
2-Butanone	ND	1.0	4.0	U	µg/L	1	6/28/2016 3:55:00 PM
2-Chloroethyl vinyl ether	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
2-Chlorotoluene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
2-Hexanone	ND	1.0	4.0	U	µg/L	1	6/28/2016 3:55:00 PM
2-Propanol	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
4-Chlorotoluene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
4-Isopropyltoluene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
4-Methyl-2-pentanone	ND	1.0	4.0	U	µg/L	1	6/28/2016 3:55:00 PM
Acetone	1.6	1.0	4.0	BJ	µg/L	1	6/28/2016 3:55:00 PM

American Analytical Laboratories, LLC.

Date: *30-Jun-16*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-1
Lab Order:	1606203	**Collection Date:**	6/28/2016 11:00:00 AM
Project:	Elks Plaza, Freeport; 157-189 W. Merrick Road,	**Matrix:**	LIQUID
Lab ID:	1606203-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
Benzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Bromobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Bromochloromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Bromodichloromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Bromoform	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Bromomethane	ND	1.0	4.0	U	µg/L	1	6/28/2016 3:55:00 PM
Carbon disulfide	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Carbon tetrachloride	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Chlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Chlorodifluoromethane	ND	0.30	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Chloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Chloroform	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Chloromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
cis-1,2-Dichloroethene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
cis-1,3-Dichloropropene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Cyclohexane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Dibromochloromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Dibromomethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Dichlorodifluoromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Ethanol	ND	2.5	10	U	µg/L	1	6/28/2016 3:55:00 PM
Ethylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Freon-114	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Hexachlorobutadiene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Isopropylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
m,p-Xylene	ND	1.0	4.0	U	µg/L	1	6/28/2016 3:55:00 PM
Methyl Acetate	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Methyl tert-butyl ether	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Methylene chloride	6.7	1.0	4.0	B	µg/L	1	6/28/2016 3:55:00 PM
n-Butylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
n-Propylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Naphthalene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
o-Xylene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM

American Analytical Laboratories, LLC.

Date: *30-Jun-16*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-1
Lab Order:	1606203	**Collection Date:**	6/28/2016 11:00:00 AM
Project:	Elks Plaza, Freeport; 157-189 W. Merrick Road,	**Matrix:**	LIQUID
Lab ID:	1606203-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
p-Diethylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
p-Ethyltoluene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
sec-Butylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Styrene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	6/28/2016 3:55:00 PM
tert-Butylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Tetrachloroethene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Toluene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
trans-1,2-Dichloroethene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
trans-1,3-Dichloropropene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Trichloroethene	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Trichlorofluoromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Vinyl acetate	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Vinyl chloride	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Xylenes, Total	ND	1.5	6.0	U	µg/L	1	6/28/2016 3:55:00 PM
Acrolein	ND	5.0	10	U	µg/L	1	6/28/2016 3:55:00 PM
Acrylonitrile	ND	0.50	2.0	U	µg/L	1	6/28/2016 3:55:00 PM
Surr: 4-Bromofluorobenzene	102	0	62-132		%Rec	1	6/28/2016 3:55:00 PM
Surr: Dibromofluoromethane	92.2	0	72-131		%Rec	1	6/28/2016 3:55:00 PM
Surr: Toluene-d8	98.2	0	58-131		%Rec	1	6/28/2016 3:55:00 PM

American Analytical Laboratories, LLC.

Date: *30-Jun-16*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-2
Lab Order:	1606203	**Collection Date:**	6/28/2016 10:45:00 AM
Project:	Elks Plaza, Freeport; 157-189 W. Merrick Road,	**Matrix:**	LIQUID
Lab ID:	1606203-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
1,1,1,2-Tetrachloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,1,1-Trichloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,1,2,2-Tetrachloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,1,2-Trichloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,1-Dichloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,1-Dichloroethene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,1-Dichloropropene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,2,3-Trichlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,2,3-Trichloropropane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,2,4,5-Tetramethylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,2,4-Trichlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,2,4-Trimethylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,2-Dibromo-3-chloropropane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,2-Dibromoethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,2-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,2-Dichloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,2-Dichloropropane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,3,5-Trimethylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,3-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,3-dichloropropane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,4-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
1,4-Dioxane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
2,2-Dichloropropane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
2-Butanone	ND	1.0	4.0	U	µg/L	1	6/28/2016 4:23:00 PM
2-Chloroethyl vinyl ether	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
2-Chlorotoluene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
2-Hexanone	ND	1.0	4.0	U	µg/L	1	6/28/2016 4:23:00 PM
2-Propanol	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
4-Chlorotoluene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
4-Isopropyltoluene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
4-Methyl-2-pentanone	ND	1.0	4.0	U	µg/L	1	6/28/2016 4:23:00 PM
Acetone	1.7	1.0	4.0	BJ	µg/L	1	6/28/2016 4:23:00 PM

American Analytical Laboratories, LLC.

Date: *30-Jun-16*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-2
Lab Order:	1606203	**Collection Date:**	6/28/2016 10:45:00 AM
Project:	Elks Plaza, Freeport; 157-189 W. Merrick Road,	**Matrix:**	LIQUID
Lab ID:	1606203-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
Benzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Bromobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Bromochloromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Bromodichloromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Bromoform	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Bromomethane	ND	1.0	4.0	U	µg/L	1	6/28/2016 4:23:00 PM
Carbon disulfide	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Carbon tetrachloride	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Chlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Chlorodifluoromethane	ND	0.30	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Chloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Chloroform	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Chloromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
cis-1,2-Dichloroethene	0.94	0.50	2.0	J	µg/L	1	6/28/2016 4:23:00 PM
cis-1,3-Dichloropropene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Cyclohexane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Dibromochloromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Dibromomethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Dichlorodifluoromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Ethanol	ND	2.5	10	U	µg/L	1	6/28/2016 4:23:00 PM
Ethylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Freon-114	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Hexachlorobutadiene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Isopropylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
m,p-Xylene	ND	1.0	4.0	U	µg/L	1	6/28/2016 4:23:00 PM
Methyl Acetate	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Methyl tert-butyl ether	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Methylene chloride	7.4	1.0	4.0	B	µg/L	1	6/28/2016 4:23:00 PM
n-Butylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
n-Propylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Naphthalene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
o-Xylene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM

American Analytical Laboratories, LLC.

Date: *30-Jun-16*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-2
Lab Order:	1606203	**Collection Date:**	6/28/2016 10:45:00 AM
Project:	Elks Plaza, Freeport; 157-189 W. Merrick Road,	**Matrix:**	LIQUID
Lab ID:	1606203-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
p-Diethylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
p-Ethyltoluene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
sec-Butylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Styrene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	6/28/2016 4:23:00 PM
tert-Butylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Tetrachloroethene	0.66	0.50	2.0	J	µg/L	1	6/28/2016 4:23:00 PM
Toluene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
trans-1,2-Dichloroethene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
trans-1,3-Dichloropropene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Trichloroethene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Trichlorofluoromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Vinyl acetate	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Vinyl chloride	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Xylenes, Total	ND	1.5	6.0	U	µg/L	1	6/28/2016 4:23:00 PM
Acrolein	ND	5.0	10	U	µg/L	1	6/28/2016 4:23:00 PM
Acrylonitrile	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:23:00 PM
Surr: 4-Bromofluorobenzene	101	0	62-132		%Rec	1	6/28/2016 4:23:00 PM
Surr: Dibromofluoromethane	95.4	0	72-131		%Rec	1	6/28/2016 4:23:00 PM
Surr: Toluene-d8	98.1	0	58-131		%Rec	1	6/28/2016 4:23:00 PM

American Analytical Laboratories, LLC.

Date: *30-Jun-16*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-3
Lab Order:	1606203	**Collection Date:**	6/28/2016 10:30:00 AM
Project:	Elks Plaza, Freeport; 157-189 W. Merrick Road,	**Matrix:**	LIQUID
Lab ID:	1606203-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
1,1,1,2-Tetrachloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,1,1-Trichloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,1,2,2-Tetrachloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,1,2-Trichloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,1-Dichloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,1-Dichloroethene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,1-Dichloropropene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,2,3-Trichlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,2,3-Trichloropropane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,2,4,5-Tetramethylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,2,4-Trichlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,2,4-Trimethylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,2-Dibromo-3-chloropropane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,2-Dibromoethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,2-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,2-Dichloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,2-Dichloropropane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,3,5-Trimethylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,3-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,3-dichloropropane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,4-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
1,4-Dioxane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
2,2-Dichloropropane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
2-Butanone	ND	1.0	4.0	U	µg/L	1	6/28/2016 4:51:00 PM
2-Chloroethyl vinyl ether	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
2-Chlorotoluene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
2-Hexanone	ND	1.0	4.0	U	µg/L	1	6/28/2016 4:51:00 PM
2-Propanol	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
4-Chlorotoluene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
4-Isopropyltoluene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
4-Methyl-2-pentanone	ND	1.0	4.0	U	µg/L	1	6/28/2016 4:51:00 PM
Acetone	1.7	1.0	4.0	BJ	µg/L	1	6/28/2016 4:51:00 PM

American Analytical Laboratories, LLC.

Date: *30-Jun-16*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-3
Lab Order:	1606203	**Collection Date:**	6/28/2016 10:30:00 AM
Project:	Elks Plaza, Freeport; 157-189 W. Merrick Road,	**Matrix:**	LIQUID
Lab ID:	1606203-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
Benzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Bromobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Bromochloromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Bromodichloromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Bromoform	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Bromomethane	ND	1.0	4.0	U	µg/L	1	6/28/2016 4:51:00 PM
Carbon disulfide	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Carbon tetrachloride	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Chlorobenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Chlorodifluoromethane	ND	0.30	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Chloroethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Chloroform	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Chloromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
cis-1,2-Dichloroethene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
cis-1,3-Dichloropropene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Cyclohexane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Dibromochloromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Dibromomethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Dichlorodifluoromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Ethanol	ND	2.5	10	U	µg/L	1	6/28/2016 4:51:00 PM
Ethylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Freon-114	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Hexachlorobutadiene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Isopropylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
m,p-Xylene	ND	1.0	4.0	U	µg/L	1	6/28/2016 4:51:00 PM
Methyl Acetate	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Methyl tert-butyl ether	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Methylene chloride	7.3	1.0	4.0	B	µg/L	1	6/28/2016 4:51:00 PM
n-Butylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
n-Propylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Naphthalene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
o-Xylene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM

American Analytical Laboratories, LLC.

Date: *30-Jun-16*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-3
Lab Order:	1606203	**Collection Date:**	6/28/2016 10:30:00 AM
Project:	Elks Plaza, Freeport; 157-189 W. Merrick Road,	**Matrix:**	LIQUID
Lab ID:	1606203-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
p-Diethylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
p-Ethyltoluene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
sec-Butylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Styrene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	6/28/2016 4:51:00 PM
tert-Butylbenzene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Tetrachloroethene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Toluene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
trans-1,2-Dichloroethene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
trans-1,3-Dichloropropene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Trichloroethene	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Trichlorofluoromethane	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Vinyl acetate	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Vinyl chloride	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Xylenes, Total	ND	1.5	6.0	U	µg/L	1	6/28/2016 4:51:00 PM
Acrolein	ND	5.0	10	U	µg/L	1	6/28/2016 4:51:00 PM
Acrylonitrile	ND	0.50	2.0	U	µg/L	1	6/28/2016 4:51:00 PM
Surr: 4-Bromofluorobenzene	99.8	0	62-132		%Rec	1	6/28/2016 4:51:00 PM
Surr: Dibromofluoromethane	104	0	72-131		%Rec	1	6/28/2016 4:51:00 PM
Surr: Toluene-d8	99.9	0	58-131		%Rec	1	6/28/2016 4:51:00 PM

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Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1606203**

30-Jun-16

Client: Seacliff Environmental

Project: Elks Plaza, Freeport; 157-189 W. Merrick Road, **BatchID:** **9747**

Sample ID **LCS-9747** SampType: **LCS** TestCode: **8260_W** Units: **µg/L** Prep Date: **6/28/2016** RunNo: **17197**

Client ID: **LCSW** Batch ID: **9747** TestNo: **SW8260C** **SW5030C** Analysis Date: **6/28/2016** SeqNo: **315133**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	41	2.0	50.00	0	81.5	54	134				
1,1,2,2-Tetrachloroethane	32	2.0	50.00	0	63.2	38	133				
1,1,2-Trichloroethane	36	2.0	50.00	0	71.6	53	132				
1,1-Dichloroethane	38	2.0	50.00	0	76.8	46	138				
1,1-Dichloroethene	43	2.0	50.00	0	86.0	47	137				
1,2-Dichlorobenzene	37	2.0	50.00	0	73.9	47	134				
1,2-Dichloroethane	38	2.0	50.00	0	77.0	52	136				
1,2-Dichloropropane	37	2.0	50.00	0	74.0	47	145				
1,3-Dichlorobenzene	39	2.0	50.00	0	77.3	47	136				
1,4-Dichlorobenzene	38	2.0	50.00	0	76.7	44	134				
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	40	130				SU
Benzene	41	2.0	50.00	0	81.4	51	138				
Bromodichloromethane	38	2.0	50.00	0	75.5	48	143				
Bromoform	33	2.0	50.00	0	66.5	34	138				
Bromomethane	31	4.0	50.00	0	62.7	28	152				
Carbon tetrachloride	42	2.0	50.00	0	83.3	52	138				
Chlorobenzene	40	2.0	50.00	0	79.5	48	133				
Chloroethane	40	2.0	50.00	0	79.4	51	147				
Chloroform	39	2.0	50.00	0	78.3	54	136				
Chloromethane	34	2.0	50.00	0	68.2	58	146				
cis-1,3-Dichloropropene	37	2.0	50.00	0	73.2	52	138				
Dibromochloromethane	36	2.0	50.00	0	71.4	53	131				
Ethylbenzene	44	2.0	50.00	0	87.9	50	125				
Methylene chloride	25	4.0	50.00	0	49.8	13	100				B
Tetrachloroethene	36	2.0	50.00	0	72.2	44	126				
Toluene	43	2.0	50.00	0	85.2	54	134				

Qualifiers: S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode

Original

American Analytical Laboratories, LLC.
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Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1606203**

30-Jun-16

Client: Seacliff Environmental
Project: Elks Plaza, Freeport; 157-189 W. Merrick Road, **BatchID:** **9747**

Sample ID **LCS-9747**	SampType: **LCS**	TestCode: **8260_W**	Units: **µg/L**	Prep Date: **6/28/2016**	RunNo: **17197**
Client ID: **LCSW**	Batch ID: **9747**	TestNo: **SW8260C**	**SW5030C**	Analysis Date: **6/28/2016**	SeqNo: **315133**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	39	2.0	50.00	0	78.8	44	138				
trans-1,3-Dichloropropene	36	2.0	50.00	0	71.4	46	137				
Trichloroethene	39	2.0	50.00	0	78.6	52	134				
Trichlorofluoromethane	46	2.0	50.00	0	92.1	56	151				
Vinyl chloride	44	2.0	50.00	0	87.6	55	151				
Surr: 4-Bromofluorobenzene	50		50.00		99.9	62	132				
Surr: Dibromofluoromethane	51		50.00		102	72	131				
Surr: Toluene-d8	50		50.00		100	58	131				

Sample ID **MB-9747**	SampType: **MBLK**	TestCode: **8260_W**	Units: **µg/L**	Prep Date: **6/28/2016**	RunNo: **17197**
Client ID: **PBW**	Batch ID: **9747**	TestNo: **SW8260C**	**SW5030C**	Analysis Date: **6/28/2016**	SeqNo: **315134**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	2.0									U
1,1,1-Trichloroethane	ND	2.0									U
1,1,2,2-Tetrachloroethane	ND	2.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0									U
1,1,2-Trichloroethane	ND	2.0									U
1,1-Dichloroethane	ND	2.0									U
1,1-Dichloroethene	ND	2.0									U
1,1-Dichloropropene	ND	2.0									U
1,2,3-Trichlorobenzene	ND	2.0									U
1,2,3-Trichloropropane	ND	2.0									U
1,2,4,5-Tetramethylbenzene	ND	2.0									U
1,2,4-Trichlorobenzene	ND	2.0									U

Qualifiers: S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode

Original

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56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1606203**

30-Jun-16

Client: Seacliff Environmental

Project: Elks Plaza, Freeport; 157-189 W. Merrick Road, **BatchID:** **9747**

Sample ID **MB-9747** SampType: **MBLK** TestCode: **8260_W** Units: **µg/L** Prep Date: **6/28/2016** RunNo: **17197**

Client ID: **PBW** Batch ID: **9747** TestNo: **SW8260C** **SW5030C** Analysis Date: **6/28/2016** SeqNo: **315134**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	2.0									U
1,2-Dibromo-3-chloropropane	ND	2.0									U
1,2-Dibromoethane	ND	2.0									U
1,2-Dichlorobenzene	ND	2.0									U
1,2-Dichloroethane	ND	2.0									U
1,2-Dichloropropane	ND	2.0									U
1,3,5-Trimethylbenzene	ND	2.0									U
1,3-Dichlorobenzene	ND	2.0									U
1,3-dichloropropane	ND	2.0									U
1,4-Dichlorobenzene	ND	2.0									U
1,4-Dioxane	ND	2.0									U
2,2-Dichloropropane	ND	2.0									U
2-Butanone	ND	4.0									U
2-Chloroethyl vinyl ether	ND	2.0									U
2-Chlorotoluene	ND	2.0									U
2-Hexanone	ND	4.0									U
2-Propanol	ND	2.0									U
4-Chlorotoluene	ND	2.0									U
4-Isopropyltoluene	ND	2.0									U
4-Methyl-2-pentanone	ND	4.0									U
Acetone	1.6	4.0									J
Benzene	ND	2.0									U
Bromobenzene	ND	2.0									U
Bromochloromethane	ND	2.0									U
Bromodichloromethane	ND	2.0									U
Bromoform	ND	2.0									U

Qualifiers: S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode

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QC SUMMARY REPORT

WO#: **1606203**

30-Jun-16

Client: Seacliff Environmental

Project: Elks Plaza, Freeport; 157-189 W. Merrick Road, **BatchID:** **9747**

Sample ID **MB-9747**	SampType: **MBLK**	TestCode: **8260_W**	Units: **µg/L**	Prep Date: **6/28/2016**	RunNo: **17197**
Client ID: **PBW**	Batch ID: **9747**	TestNo: **SW8260C**	**SW5030C**	Analysis Date: **6/28/2016**	SeqNo: **315134**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	4.0									U
Carbon disulfide	ND	2.0									U
Carbon tetrachloride	ND	2.0									U
Chlorobenzene	ND	2.0									U
Chlorodifluoromethane	ND	2.0									U
Chloroethane	ND	2.0									U
Chloroform	ND	2.0									U
Chloromethane	ND	2.0									U
cis-1,2-Dichloroethene	ND	2.0									U
cis-1,3-Dichloropropene	ND	2.0									U
Cyclohexane	ND	2.0									U
Dibromochloromethane	ND	2.0									U
Dibromomethane	ND	2.0									U
Dichlorodifluoromethane	ND	2.0									U
Diisopropyl ether	ND	2.0									U
Ethanol	ND	10									U
Ethylbenzene	ND	2.0									U
Freon-114	ND	2.0									U
Hexachlorobutadiene	ND	2.0									U
Isopropylbenzene	ND	2.0									U
m,p-Xylene	ND	4.0									U
Methyl Acetate	ND	2.0									U
Methyl tert-butyl ether	ND	2.0									U
Methylene chloride	7.8	4.0									
n-Butylbenzene	ND	2.0									U
n-Propylbenzene	ND	2.0									U

Qualifiers: S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode

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Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
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QC SUMMARY REPORT

WO#: **1606203**

30-Jun-16

Client: Seacliff Environmental

Project: Elks Plaza, Freeport; 157-189 W. Merrick Road, **BatchID:** **9747**

Sample ID **MB-9747**	SampType: **MBLK**	TestCode: **8260_W**	Units: **µg/L**	Prep Date: **6/28/2016**	RunNo: **17197**
Client ID: **PBW**	Batch ID: **9747**	TestNo: **SW8260C**	**SW5030C**	Analysis Date: **6/28/2016**	SeqNo: **315134**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0									U
o-Xylene	ND	2.0									U
p-Diethylbenzene	ND	2.0									U
p-Ethyltoluene	ND	2.0									U
sec-Butylbenzene	ND	2.0									U
Styrene	ND	2.0									U
t-Butyl alcohol	ND	10									U
tert-Butylbenzene	ND	2.0									U
Tetrachloroethene	ND	2.0									U
Toluene	ND	2.0									U
trans-1,2-Dichloroethene	ND	2.0									U
trans-1,3-Dichloropropene	ND	2.0									U
Trichloroethene	ND	2.0									U
Trichlorofluoromethane	ND	2.0									U
Vinyl acetate	ND	2.0									U
Vinyl chloride	ND	2.0									U
Xylenes, Total	ND	6.0									U
Acrolein	ND	10									U
Acrylonitrile	ND	2.0									U
Surr: 4-Bromofluorobenzene	50		50.00		99.2	62	132				
Surr: Dibromofluoromethane	50		50.00		99.6	72	131				
Surr: Toluene-d8	49		50.00		98.5	58	131				

Qualifiers: S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode

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QC SUMMARY REPORT

WO#: **1606203**

30-Jun-16

Client: Seacliff Environmental

Project: Elks Plaza, Freeport; 157-189 W. Merrick Road, **BatchID:** **9747**

Sample ID **1606203-003AMS** SampType: **MS** TestCode: **8260_W** Units: **µg/L** Prep Date: **6/28/2016** RunNo: **17197**

Client ID: **MW-3** Batch ID: **9747** TestNo: **SW8260C** **SW5030C** Analysis Date: **6/28/2016** SeqNo: **315138**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	40	2.0	50.00	0	80.2	50	134				
1,1,2,2-Tetrachloroethane	33	2.0	50.00	0	66.1	37	128				
1,1,2-Trichloroethane	39	2.0	50.00	0	78.8	50	134				
1,1-Dichloroethane	40	2.0	50.00	0	80.2	49	138				
1,1-Dichloroethene	42	2.0	50.00	0	84.0	44	140				
1,2-Dichlorobenzene	39	2.0	50.00	0	78.9	53	121				
1,2-Dichloroethane	43	2.0	50.00	0	86.0	49	139				
1,2-Dichloropropane	40	2.0	50.00	0	80.1	54	128				
1,3-Dichlorobenzene	40	2.0	50.00	0	80.8	54	120				
1,4-Dichlorobenzene	40	2.0	50.00	0	79.4	52	121				
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	20	128				SU
Benzene	43	2.0	50.00	0	85.3	53	133				
Bromodichloromethane	42	2.0	50.00	0	83.2	53	129				
Bromoform	35	2.0	50.00	0	69.4	49	121				
Bromomethane	33	4.0	50.00	0	66.6	20	147				
Carbon tetrachloride	40	2.0	50.00	0	81.0	47	134				
Chlorobenzene	40	2.0	50.00	0	80.4	54	122				
Chloroethane	40	2.0	50.00	0	80.7	46	146				
Chloroform	43	2.0	50.00	0	85.4	56	131				
Chloromethane	30	2.0	50.00	0	60.5	48	152				
cis-1,3-Dichloropropene	40	2.0	50.00	0	80.1	40	133				
Dibromochloromethane	40	2.0	50.00	0	79.4	54	131				
Ethylbenzene	42	2.0	50.00	0	84.8	38	142				
Methylene chloride	26	4.0	50.00	7.280	36.4	10	120				B
Tetrachloroethene	35	2.0	50.00	0	69.3	29	123				
Toluene	43	2.0	50.00	0	87.0	54	134				

Qualifiers: S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode

Original

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QC SUMMARY REPORT

WO#: **1606203**

30-Jun-16

Client: Seacliff Environmental

Project: Elks Plaza, Freeport; 157-189 W. Merrick Road, **BatchID:** **9747**

Sample ID **1606203-003AMS** SampType: **MS** TestCode: **8260_W** Units: **µg/L** Prep Date: **6/28/2016** RunNo: **17197**

Client ID: **MW-3** Batch ID: **9747** TestNo: **SW8260C** **SW5030C** Analysis Date: **6/28/2016** SeqNo: **315138**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	40	2.0	50.00	0	79.0	49	133				
trans-1,3-Dichloropropene	39	2.0	50.00	0	77.4	45	133				
Trichloroethene	39	2.0	50.00	0	78.0	50	130				
Trichlorofluoromethane	44	2.0	50.00	0	88.1	53	151				
Vinyl chloride	39	2.0	50.00	0	78.8	58	151				
Surr: 4-Bromofluorobenzene	49		50.00		98.8	62	132				
Surr: Dibromofluoromethane	55		50.00		110	72	131				
Surr: Toluene-d8	51		50.00		102	58	131				

Sample ID **1606203-003AMSD** SampType: **MSD** TestCode: **8260_W** Units: **µg/L** Prep Date: **6/28/2016** RunNo: **17197**

Client ID: **MW-3** Batch ID: **9747** TestNo: **SW8260C** **SW5030C** Analysis Date: **6/28/2016** SeqNo: **315139**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	42	2.0	50.00	0	83.3	50	134	40.09	3.77	20	
1,1,2,2-Tetrachloroethane	33	2.0	50.00	0	66.2	37	128	33.07	0.151	20	
1,1,2-Trichloroethane	40	2.0	50.00	0	79.1	50	134	39.42	0.355	20	
1,1-Dichloroethane	42	2.0	50.00	0	83.4	49	138	40.09	3.98	20	
1,1-Dichloroethene	42	2.0	50.00	0	83.9	44	140	42.00	0.0953	20	
1,2-Dichlorobenzene	39	2.0	50.00	0	78.2	53	121	39.44	0.815	20	
1,2-Dichloroethane	44	2.0	50.00	0	88.9	49	139	43.01	3.34	20	
1,2-Dichloropropane	41	2.0	50.00	0	81.4	54	128	40.04	1.68	20	
1,3-Dichlorobenzene	40	2.0	50.00	0	80.8	54	120	40.40	0.0495	20	
1,4-Dichlorobenzene	40	2.0	50.00	0	79.4	52	121	39.70	0.0252	20	
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	20	128	0	0	20	SU
Benzene	45	2.0	50.00	0	89.4	53	133	42.64	4.67	20	

Qualifiers: S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode

Original

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QC SUMMARY REPORT

WO#: **1606203**

30-Jun-16

Client: Seacliff Environmental

Project: Elks Plaza, Freeport; 157-189 W. Merrick Road, **BatchID:** **9747**

Sample ID **1606203-003AMSD**	SampType: **MSD**	TestCode: **8260_W**	Units: **µg/L**	Prep Date: **6/28/2016**	RunNo: **17197**
Client ID: **MW-3**	Batch ID: **9747**	TestNo: **SW8260C**	**SW5030C**	Analysis Date: **6/28/2016**	SeqNo: **315139**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	42	2.0	50.00	0	84.1	53	129	41.61	1.03	20	
Bromoform	35	2.0	50.00	0	70.9	49	121	34.70	2.14	20	
Bromomethane	36	4.0	50.00	0	71.7	20	147	33.29	7.35	20	
Carbon tetrachloride	42	2.0	50.00	0	84.4	47	134	40.48	4.11	20	
Chlorobenzene	42	2.0	50.00	0	83.2	54	122	40.20	3.37	20	
Chloroethane	41	2.0	50.00	0	81.4	46	146	40.35	0.864	20	
Chloroform	44	2.0	50.00	0	88.1	56	131	42.69	3.11	20	
Chloromethane	31	2.0	50.00	0	61.9	48	152	30.27	2.29	20	
cis-1,3-Dichloropropene	40	2.0	50.00	0	80.7	40	133	40.05	0.771	20	
Dibromochloromethane	40	2.0	50.00	0	80.5	54	131	39.68	1.48	20	
Ethylbenzene	44	2.0	50.00	0	87.7	38	142	42.42	3.34	20	
Methylene chloride	26	4.0	50.00	7.280	38.4	10	120	25.50	3.81	20	B
Tetrachloroethene	35	2.0	50.00	0	69.7	29	123	34.66	0.547	20	
Toluene	44	2.0	50.00	0	88.5	54	134	43.49	1.71	20	
trans-1,2-Dichloroethene	41	2.0	50.00	0	82.2	49	133	39.52	3.90	20	
trans-1,3-Dichloropropene	39	2.0	50.00	0	78.4	45	133	38.72	1.26	20	
Trichloroethene	40	2.0	50.00	0	79.4	50	130	39.02	1.70	20	
Trichlorofluoromethane	45	2.0	50.00	0	89.8	53	151	44.03	1.96	20	
Vinyl chloride	41	2.0	50.00	0	81.1	58	151	39.42	2.80	20	
Surr: 4-Bromofluorobenzene	50		50.00		100	62	132		0	20	
Surr: Dibromofluoromethane	55		50.00		111	72	131		0	20	
Surr: Toluene-d8	51		50.00		101	58	131		0	20	

Qualifiers: S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode

Original

Attachment C

PREMIER ENVIRONMENTAL SERVICES, INC.

DATA USABILITY SUMMARY REPORT

ELKS PLAZA
157-189 MERRICK ROAD
FREEPORT, NEW YORK

ORGANIC ANALYSES
IN AQUEOUS SAMPLES

AMERICAN ANALYTICAL LABORATORIES, LLC.
FARMINGDALE, NY

REPORT NUMBER: 1606203

September, 2016

Prepared for
Seacliff Environmental
Miller Place, New York

Prepared by
Premier Environmental Services
2815 Covered Bridge Road
Merrick, New York 11566
(516)223-9761

DATA VALIDATION FOR:	**Volatile Organic Compounds (VOC's)**
SITE:	**Elks Plaza** **157-189 W. Merrick Road** **Freeport, NY**
LABORATORY REPORT NO:	**1606203**
CONTRACT LAB:	**American Analytical Laboratories** **Farmingdale, NY**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**September, 2016**
MATRIX:	**Aqueous**

The data validation was performed according to the guidelines in the USEPA National Functional Guidelines for Organic Data Review and the USEPA Region II SOPs where applicable. In addition, method and QC criteria specified in the NYSDEC ASP documents were cited. All data are considered valid and acceptable except those analytes which have been deemed unusable "R" (unreliable). Due to various QC problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material, "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All actions are detailed on the attached sheets.

Table 1 of this report includes a cross reference between the field sample ID and laboratory sample ID's. Copies of the data qualifiers that may be used in this report are located in Appendix A of this report. Qualified data result pages are located in Appendix B of this report. Copies of the Chain of Custody (COC) documents are located in Appendix C of this report.

This data assessment is for three (3) aqueous samples that are listed on the COC documents that accompanied the samples to the laboratory. The sample was collected and received at the laboratory on June 28, 2016 for the analyses requested on the COC documentation. This sample was analyzed for Volatile Organic Analytes (VOA) per the COC documents that accompanied the samples to the laboratory.

ORGANIC DATA ASSESSMENT

1. OVERVIEW:

This data review report is for the samples analyzed for Volatile Organic Analytes (VOA's). Analysis was performed in accordance with USEPA SW846 methodologies. Data validation will utilize the validation guidelines listed above, however, QA/QC requirements of SW846 will supersede CLP requirements in terms of calibration and holding time where applicable. The soil samples associated with this data set were analyzed and reported for Volatile Organics via the SW846-Method 8260C. American Analytical Laboratories, Inc. generated a stand-alone report for each fraction in compliance with the NYS DEC ASP Category B deliverables. A summary of the applicable QC will be discussed at each section of the report.

2. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. The NYS DEC ASP criteria specifies holding times for solid and soil samples. These holding times are based on Validated Time of Sample Receipt (VTSR). The holding times cited in the NY ASP were reviewed.

Three aqueous samples were collected and delivered to the laboratory on June 28, 2016. The samples were analyzed June 28, 2016. The samples and associated QC analyses were analyzed within the method holding time.

3. SURROGATES:

Samples to be analyzed for Volatile Organic Analytes (VOA) are fortified with three (3) method recommended surrogate compounds. These include Dibromofluoromethane, Toluene d8 and 4-Bromofluorobenzene prior to analysis to evaluate the overall laboratory performance and the efficiency of the analytical technique. The laboratory reported in-house surrogate recovery QC limits for the Volatile Organic surrogates compounds. The field sample and QC sample surrogate percent recoveries were summarized in this data report.

The percent recovery of each surrogate compound met in-house QC criteria in each of the field samples and QC samples associated with this data set.

4. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis.

In addition a blank spike sample/reference sample/LCS was prepared and analyzed with each sample batch/analysis reported in this data set.

Sample MW-3 was prepared and analyzed as the site specific MS/MSD with this data set. In-house percent recovery limits were applied to each target analyte. The % recovery of each target analyte met QC criteria in the MS and MSD sample. The RPD limit of 0-20 was applied to each target analyte. The RPD of each target analyte met QC criteria.

A laboratory control sample (LCS) is associated with this data set. In-house QC limits were applied. The percent recovery of the each target analyte met QC criteria in the LCS sample with the exception of 2-Chloroethyl vinyl ether (2-CEVE). 2-CEVE is a poor performer compound and was detected in the samples reported in this data set. 2-CEVE was not recovered (0%) in the LCS sample. 2-CEVE has been deemed unusable "R" qualified.

Qualified data result pages are located in Appendix B of this report.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination that may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified with those QC samples associated with the particular blank.

A) Method Blank contamination

Volatile Organic Analyses (EPA Method 8260C) – One (1) method blank sample is associated with the samples in this data set. Methylene Chloride (7.8 ug/L) and Acetone (1.6 ug/L) were detected in the associated method blank sample.

Acetone and Methylene Chloride were detected in each of the samples reported in this data set and were "B" qualified by the laboratory. Acetone and Methylene Chloride have been negated "U" qualified from these samples during data review.

Qualified data result pages are located in Appendix B of this report.

B) Field or Equipment Rinse Blank (ERB) contamination

A Field Blank sample is not associated with this data set.

C) Trip Blank contamination

A Trip Blank samples is not associated with this data set.

6. GC/MS CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument is giving satisfactory daily performance. Region USEPA and Region II criteria is the sample for analytes in both GC/MS Volatile and GC/MS Semivolatile Organic analyses is the same, therefore, all text discussion is for VOA and SVOA samples analyses.

A) RESPONSE FACTOR

The response factor measures the instrument's response to specific chemical compounds. Region II data review requires that the response factor of all analytes be greater than or equal to 0.05 in both initial and continuing calibration analyses. A value less than 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Region II data validation criteria states that if the minimum RRF criteria is not met in an initial calibration the positive results are qualified "J". Non-detect results in the initial calibration with a RRF <0.05 are qualified "R", unusable. If RRF criteria is not met in the continuing calibration curve analysis, affected positive analytes will be qualified "J" estimated. Those analytes not detected are not qualified. The SW-846 Methods cite specific analytes known as System Performance Check Compounds (SPCC). Minimum response criteria is set for these analytes. If the minimum criteria is not met, analyses must stop and the source of problems must be found and corrected. Data associated with this set has been reviewed for the criteria in the cited in the EPA Method and the Region II criteria.

Volatile Organic Analyses (EPA Method 8260C) – One (1) initial calibration curve analysis is associated with these sample analyses. The laboratory performed an initial multilevel calibration on June 23, 2016 (Inst. 5977V2). The RRF of reported target compounds met QC criteria in this initial calibration curve analysis.

One (1) continuing calibration standard is associated with the calibration curve analyses. Continuing calibration curve analysis was performed June 28, 2016 (V23007.D). The RRF of reported target compounds met QC criteria in the continuing calibration standard analysis.

6. GC/MS CALIBRATION (cont'd):

B) PERCENT RELATIVE STANDARD DEVIATION (RSD) AND PERCENT DIFFERENCE (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the compounds in the continuing calibration standard to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Region II data validation criteria states that the percent RSD of the initial calibration curve must be less than or equal to 20%. The %D must be <20% in the continuing calibration standard. The criteria has been applied to all target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects may be flagged "UJ", based on professional judgment. If %RSD and %D grossly exceed QC criteria (>90%), non-detects data may be qualified "R", unusable. Data associated with this set has been reviewed for the criteria in the cited in the USEPA Data Validation Guidelines and the USEPA Region II criteria.

Volatile Organic Analyses (EPA Method 8260C) – One (1) initial calibration curve analysis is associated with these sample analyses. The laboratory performed an initial multilevel calibration on June 23, 2016 (Inst. 5977V2). The RSD (%) met QC criteria for each target analyte with the exception of Acetone (39.5%), Methylene Chloride (53.9%), n-Propylbenzene (23.5%) and sec-Butylbenzene (20.5%). These target analytes have been estimated "J/UJ" qualified in each of the samples reported in this data set.

One (1) continuing calibration standard analysis is associated with this data set. The % difference of the reported target compounds met QC criteria in the continuing calibration standard with the analysis with the exception of the following:

Date/File ID	Analyte	%Difference
6/28/16 V23007.D	2-Butanone	38.1
	Acetone	33.5
	Methylene Chloride	46.8

These target analytes have been estimated "UJ/J" qualified in the samples associated with this data set.

Qualified data result pages are located in Appendix B of this report.

7. GC/MS INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every run. The method recommends that the internal standard area count must not vary by more than a factor of 2 (-50%to +100%) from the associated continuing calibration standard. The method recommends that the retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. The EPA CLP validation guidelines state that if the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified estimated, "J", and all non-detects below 50% are qualified "UJ", non-detects above 100% should not be qualified or "R" if there is a severe loss of sensitivity. The internal standard evaluation criteria is applied to all field and QC samples.

Volatile Organic Analyses (EPA Method 8260C) - Samples were spiked with the method specific internal standards prior to analysis. The area counts and retention time of each internal standard met QC criteria in each of the field samples and QC samples reported in this data set.

ORGANIC DATA ASSESSMENT

8. GC/MS MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is Bromofluorobenzene (BFB). If the mass calibration is in error, or missing, all associated data will be classified as unusable, "R".

Volatile Organic Analyses - The tune criteria listed in the data report met or exceeded that required by the method. All tuning criteria associated with these sample analyses were met.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within $\pm$ 0.06 RRT units of the standard compound, and have an ion spectra which has a ratio of the primary and secondary ion intensities with 20% of that in the standard compound. Target compounds are identified on the GC by using the analytes retention time. Concentration is quantitated from the initial calibration curve.

Volatile Organic Analyses – Three (3) aqueous samples was analyzed and reported within this data set. The samples in this data set were analyzed and reported without dilution. Results reported between the laboratory detection limit and the laboratory quantitation limit (LOQ) have been reported and qualified "J" by the laboratory. The volatile organic data associated with this sample set is acceptable for use with the noted data qualifiers.

10. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Analytical QC criteria were met for these analyses with the exception of what was described in the above report. The data reported agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package.

All data provided for this data set is acceptable for use, with noted data qualifiers. The qualified data result pages are located in Appendix B of this report.

TABLE 1

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Workorder Sample Summary

WO#: **1606203**

30-Jun-16

CLIENT: Seacliff Environmental
Project: Elks Plaza, Freeport; 157-189 W. Merrick Road,

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1606203-001A	MW-1		6/28/2016 11:00:00 AM	6/28/2016 11:20:00 AM	Liquid
1606203-002A	MW-2		6/28/2016 10:45:00 AM	6/28/2016 11:20:00 AM	Liquid
1606203-003A	MW-3		6/28/2016 10:30:00 AM	6/28/2016 11:20:00 AM	Liquid

APPENDIX A

DATA QUALIFIER DEFINITIONS

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are unreliable/unusable. The presence or absence of the analyte cannot be verified.

APPENDIX B

American Analytical Laboratories, LLC. - Analytical Report

WO#: 1606203

Date Reported: 6/30/2016
Revision v1

Client:	Seacliff Environmental	**Collection Date:**	6/28/2016 11:00:00 AM
Project:	Elks Plaza, Freeport; 157-189 W. Merrick Road, Freeport, NY		
Lab ID:	1606203-001	**Matrix:**	Liquid
Client Sample ID:	MW-1		

Analysis	Result	Qual	DL	LOD	LOQ	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260			**Method: 8260**		**SW5030C**			**Analyst: LA**
1,1,1,2-Tetrachloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,1,1-Trichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,1,2-Trichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,1-Dichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,1-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,1-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,2,3-Trichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,2,3-Trichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,2,4,5-Tetramethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,2,4-Trimethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,2-Dibromoethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,2-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,2-Dichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,2-Dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,3,5-Trimethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,3-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,3-dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,4-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
1,4-Dioxane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
2,2-Dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
2-Butanone	1.0	U	UJ 1.0	1.0	4.0	µg/L	1	6/28/2016 3:55 PM
2-Chloroethyl vinyl ether	0.50	U	R 0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
2-Chlorotoluene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
2-Hexanone	1.0	U	1.0	1.0	4.0	µg/L	1	6/28/2016 3:55 PM
2-Propanol	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
4-Chlorotoluene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
4-Isopropyltoluene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
4-Methyl-2-pentanone	1.0	U	1.0	1.0	4.0	µg/L	1	6/28/2016 3:55 PM
Acetone	1.6	BJ	UJ 1.0	1.0	4.0	µg/L	1	6/28/2016 3:55 PM
Benzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Bromobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Bromochloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Bromodichloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Bromoform	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Bromomethane	1.0	U	1.0	1.0	4.0	µg/L	1	6/28/2016 3:55 PM
Carbon disulfide	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Carbon tetrachloride	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Chlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Chlorodifluoromethane	0.30	U	0.30	0.30	2.0	µg/L	1	6/28/2016 3:55 PM
Chloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM

American Analytical Laboratories, LLC. - Analytical Report

WO#: 1606203

Date Reported: 6/30/2016
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Client:	Seacliff Environmental	**Collection Date:**	6/28/2016 11:00:00 AM
Project:	Elks Plaza, Freeport; 157-189 W. Merrick Road, Freeport, NY		
Lab ID:	1606203-001	**Matrix:**	Liquid
Client Sample ID:	MW-1		

Analysis	Result	Qual	DL	LOD	LOQ	Units	DF	Date Analyzed
Chloroform	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Chloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
cis-1,2-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
cis-1,3-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Cyclohexane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Dibromochloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Dibromomethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Dichlorodifluoromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Diisopropyl ether	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Ethanol	2.5	U	2.5	2.5	10	µg/L	1	6/28/2016 3:55 PM
Ethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Freon-114	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Hexachlorobutadiene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Isopropylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
m,p-Xylene	1.0	U	1.0	1.0	4.0	µg/L	1	6/28/2016 3:55 PM
Methyl Acetate	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Methyl tert-butyl ether	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Methylene chloride	6.7	B UJ	1.0	1.0	4.0	µg/L	1	6/28/2016 3:55 PM
n-Butylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
n-Propylbenzene	0.50	U UJ	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Naphthalene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
o-Xylene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
p-Diethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
p-Ethyltoluene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
sec-Butylbenzene	0.50	U UJ	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Styrene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
t-Butyl alcohol	2.5	U	2.5	2.5	10	µg/L	1	6/28/2016 3:55 PM
tert-Butylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Tetrachloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Toluene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
trans-1,2-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
trans-1,3-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Trichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Trichlorofluoromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Vinyl acetate	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Vinyl chloride	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Xylenes, Total	1.5	U	1.5	1.5	6.0	µg/L	1	6/28/2016 3:55 PM
Acrolein	5.0	U	5.0	5.0	10	µg/L	1	6/28/2016 3:55 PM
Acrylonitrile	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 3:55 PM
Surr: 4-Bromofluorobenzene	102			62-132		%Rec	1	6/28/2016 3:55 PM
Surr: Dibromofluoromethane	92.2			72-131		%Rec	1	6/28/2016 3:55 PM
Surr: Toluene-d8	98.2			58-131		%Rec	1	6/28/2016 3:55 PM

American Analytical Laboratories, LLC. - Analytical Report

WO#: 1606203

Date Reported: 6/30/2016
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Client:	Seacliff Environmental	**Collection Date:**	6/28/2016 10:45:00 AM
Project:	Elks Plaza, Freeport; 157-189 W. Merrick Road, Freeport, NY		
Lab ID:	1606203-002	**Matrix:**	Liquid
Client Sample ID:	MW-2		

Analysis	Result	Qual	DL	LOD	LOQ	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260			**Method: 8260**		**SW5030C**			**Analyst: LA**
1,1,1,2-Tetrachloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,1,1-Trichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,1,2-Trichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,1-Dichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,1-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,1-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,2,3-Trichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,2,3-Trichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,2,4,5-Tetramethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,2,4-Trimethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,2-Dibromoethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,2-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,2-Dichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,2-Dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,3,5-Trimethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,3-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,3-dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,4-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
1,4-Dioxane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
2,2-Dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
2-Butanone	1.0	U UJ	1.0	1.0	4.0	µg/L	1	6/28/2016 4:23 PM
2-Chloroethyl vinyl ether	0.50	U R	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
2-Chlorotoluene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
2-Hexanone	1.0	U	1.0	1.0	4.0	µg/L	1	6/28/2016 4:23 PM
2-Propanol	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
4-Chlorotoluene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
4-Isopropyltoluene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
4-Methyl-2-pentanone	1.0	U	1.0	1.0	4.0	µg/L	1	6/28/2016 4:23 PM
Acetone	1.7	BJ UJ	1.0	1.0	4.0	µg/L	1	6/28/2016 4:23 PM
Benzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Bromobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Bromochloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Bromodichloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Bromoform	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Bromomethane	1.0	U	1.0	1.0	4.0	µg/L	1	6/28/2016 4:23 PM
Carbon disulfide	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Carbon tetrachloride	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Chlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Chlorodifluoromethane	0.30	U	0.30	0.30	2.0	µg/L	1	6/28/2016 4:23 PM
Chloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM

American Analytical Laboratories, LLC. - Analytical Report

WO#: 1606203

Date Reported: 6/30/2016
Revision v1

Client:	Seacliff Environmental	**Collection Date:**	6/28/2016 10:45:00 AM
Project:	Elks Plaza, Freeport; 157-189 W. Merrick Road, Freeport, NY		
Lab ID:	1606203-002	**Matrix:**	Liquid
Client Sample ID:	MW-2		

Analysis	Result	Qual	DL	LOD	LOQ	Units	DF	Date Analyzed
Chloroform	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Chloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
cis-1,2-Dichloroethene	0.94	J	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
cis-1,3-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Cyclohexane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Dibromochloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Dibromomethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Dichlorodifluoromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Diisopropyl ether	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Ethanol	2.5	U	2.5	2.5	10	µg/L	1	6/28/2016 4:23 PM
Ethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Freon-114	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Hexachlorobutadiene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Isopropylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
m,p-Xylene	1.0	U	1.0	1.0	4.0	µg/L	1	6/28/2016 4:23 PM
Methyl Acetate	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Methyl tert-butyl ether	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Methylene chloride	7.4	B UJ	1.0	1.0	4.0	µg/L	1	6/28/2016 4:23 PM
n-Butylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
n-Propylbenzene	0.50	U UJ	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Naphthalene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
o-Xylene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
p-Diethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
p-Ethyltoluene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
sec-Butylbenzene	0.50	U UJ	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Styrene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
t-Butyl alcohol	2.5	U	2.5	2.5	10	µg/L	1	6/28/2016 4:23 PM
tert-Butylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Tetrachloroethene	0.66	J	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Toluene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
trans-1,2-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
trans-1,3-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Trichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Trichlorofluoromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Vinyl acetate	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Vinyl chloride	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Xylenes, Total	1.5	U	1.5	1.5	6.0	µg/L	1	6/28/2016 4:23 PM
Acrolein	5.0	U	5.0	5.0	10	µg/L	1	6/28/2016 4:23 PM
Acrylonitrile	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:23 PM
Surr: 4-Bromofluorobenzene	101			62-132		%Rec	1	6/28/2016 4:23 PM
Surr: Dibromofluoromethane	95.4			72-131		%Rec	1	6/28/2016 4:23 PM
Surr: Toluene-d8	98.1			58-131		%Rec	1	6/28/2016 4:23 PM

American Analytical Laboratories, LLC. - Analytical Report

WO#: 1606203

Date Reported: 6/30/2016
Revision v1

Client:	Seacliff Environmental	**Collection Date:**	6/28/2016 10:30:00 AM
Project:	Elks Plaza, Freeport; 157-189 W. Merrick Road, Freeport, NY		
Lab ID:	1606203-003	**Matrix:**	Liquid
Client Sample ID:	MW-3		

Analysis	Result	Qual	DL	LOD	LOQ	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260			**Method: 8260**		**SW5030C**			**Analyst: LA**
1,1,1,2-Tetrachloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,1,1-Trichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,1,2-Trichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,1-Dichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,1-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,1-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,2,3-Trichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,2,3-Trichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,2,4,5-Tetramethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,2,4-Trimethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,2-Dibromoethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,2-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,2-Dichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,2-Dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,3,5-Trimethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,3-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,3-dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,4-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
1,4-Dioxane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
2,2-Dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
2-Butanone	1.0	U UJ	1.0	1.0	4.0	µg/L	1	6/28/2016 4:51 PM
2-Chloroethyl vinyl ether	0.50	U R	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
2-Chlorotoluene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
2-Hexanone	1.0	U	1.0	1.0	4.0	µg/L	1	6/28/2016 4:51 PM
2-Propanol	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
4-Chlorotoluene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
4-Isopropyltoluene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
4-Methyl-2-pentanone	1.0	U	1.0	1.0	4.0	µg/L	1	6/28/2016 4:51 PM
Acetone	1.7	~~B~~ UJ	1.0	1.0	4.0	µg/L	1	6/28/2016 4:51 PM
Benzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Bromobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Bromochloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Bromodichloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Bromoform	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Bromomethane	1.0	U	1.0	1.0	4.0	µg/L	1	6/28/2016 4:51 PM
Carbon disulfide	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Carbon tetrachloride	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Chlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Chlorodifluoromethane	0.30	U	0.30	0.30	2.0	µg/L	1	6/28/2016 4:51 PM
Chloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM

American Analytical Laboratories, LLC. - Analytical Report

WO#: 1606203

Date Reported: 6/30/2016
Revision v1

Client:	Seacliff Environmental	**Collection Date:**	6/28/2016 10:30:00 AM
Project:	Elks Plaza, Freeport; 157-189 W. Merrick Road, Freeport, NY		
Lab ID:	1606203-003	**Matrix:**	Liquid
Client Sample ID:	MW-3		

Analysis	Result	Qual	DL	LOD	LOQ	Units	DF	Date Analyzed
Chloroform	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Chloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
cis-1,2-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
cis-1,3-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Cyclohexane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Dibromochloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Dibromomethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Dichlorodifluoromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Diisopropyl ether	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Ethanol	2.5	U	2.5	2.5	10	µg/L	1	6/28/2016 4:51 PM
Ethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Freon-114	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Hexachlorobutadiene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Isopropylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
m,p-Xylene	1.0	U	1.0	1.0	4.0	µg/L	1	6/28/2016 4:51 PM
Methyl Acetate	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Methyl tert-butyl ether	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Methylene chloride	7.3	~~B~~ UJ	1.0	1.0	4.0	µg/L	1	6/28/2016 4:51 PM
n-Butylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
n-Propylbenzene	0.50	U UJ	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Naphthalene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
o-Xylene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
p-Diethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
p-Ethyltoluene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
sec-Butylbenzene	0.50	U UJ	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Styrene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
t-Butyl alcohol	2.5	U	2.5	2.5	10	µg/L	1	6/28/2016 4:51 PM
tert-Butylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Tetrachloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Toluene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
trans-1,2-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
trans-1,3-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Trichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Trichlorofluoromethane	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Vinyl acetate	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Vinyl chloride	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Xylenes, Total	1.5	U	1.5	1.5	6.0	µg/L	1	6/28/2016 4:51 PM
Acrolein	5.0	U	5.0	5.0	10	µg/L	1	6/28/2016 4:51 PM
Acrylonitrile	0.50	U	0.50	0.50	2.0	µg/L	1	6/28/2016 4:51 PM
Surr: 4-Bromofluorobenzene	99.8			62-132		%Rec	1	6/28/2016 4:51 PM
Surr: Dibromofluoromethane	104			72-131		%Rec	1	6/28/2016 4:51 PM
Surr: Toluene-d8	99.9			58-131		%Rec	1	6/28/2016 4:51 PM

APPENDIX C

CHAIN OF CUSTODY

AMERICAN ANALYTICAL LABORATORIES

56 Toledo Street, Farmingdale NY 11735
(T) 631-454-6100 (F) 631-454-8027
www.american-analytical.com

CERTIFICATIONS
NY ELAP - 11418 PA DEP - 68-00573
NJ DEP - NY050 CT DOH - PH-0205

Client Information

Company Name: Seacliff Environmental
Address: P.O. Box 2085
City: Miller Place State: NY Zip: 11764
Project Contact: Jim DeMartinis
Phone #: 631 828 5994
E-mail:

Project Information

Project Name: Elks Plaza Freeport
Street: 157-189 W. Merrick Road
City: Freeport State: NY Zip:
Project #:
Sampler's Name / Company: AJ Schaff NTC Formation LTD
Sampler's Signature:

Analytical Information

Full 8260 w/cat B deliverables

LAB SAMPLE # (LAB USE ONLY)	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	Number of Each Preserved Bottle: NONE	HCl	NaOH	HNO_3	H_2SO_4	$NaHSO_4$	MeOH	OTHER	Analytical Information
1606203-001	MW-1	G	L	6/28/16	1100	G	2		2							X
002	MW-2	1	1	1	1045	1	1		1							X
003	MW-3	1	1	1	1030	1	1		2							X

Turnaround Time (Business Days)

- [✓] Standard 7-10 Business Days
- [ ] 3 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 1 Day *RUSH*

SAMPLE TYPE

G = Grab
C = Composite
B = Blank

MATRIX CODES

L = Liquid PC = Paint Chip
S = Soil SL = Sludge
O = Oil SD = Solid
W = Wipe M = Miscellaneous

Comments / Remarks

Cooler Temp: 0.2°C

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
	6/28/16 1120	AJ Schaff	P Mass	6/28/16 1120	P Mass
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME