



VAN ORDEN

SAND & GRAVEL OF RINGWOOD

PLANT LOCATION ~ 589 WESTBROOK RD. ~ RINGWOOD, NJ 07456

P.O. BOX 8246 ♦
HALEDON, NJ 07538

973.839-0207 ♦
FAX: 973.839-7211

www.braenstone.com

December 18, 2012

EQ Northeast, Inc.
Attn: John Geary
185 Industrial Road
Wrentham, MA 02093

Re: Request for Material Pre-Certification
Material – Pond fill
EQ-Ramapo NY Project
Ramapo, NY

Dear Sir,

This is to certify that the **Material to be** supplied to the above referenced project, were extracted, blended, and/or manufactured from one of the following virgin material sources: granite-gneiss stone deposit; naturally occurring overburden soil material and/or glacial deposit of sand & gravel. These materials are located on Block 101; Lots 2 & 3, Borough of Ringwood, Passaic County, New Jersey. This is commonly known as 589 Westbrook Road, Borough of Ringwood. To the best of our knowledge this material contained no hazardous or contaminated materials prior to shipment.

If we can be of any further assistance, please contact us at the number listed.

Respectfully,
VAN ORDEN SAND & GRAVEL OF RINGWOOD

Russ Berger
Director of Quality Control

Cc: File

GRAIN SIZE DISTRIBUTION TEST DATA

1/14/2013

Client: : EQ Northeast

Date: 01/14/13

Project: : Ramapo, NJ

Location: Braen Pit (Tilcon) New York.

Depth: N/A

Sample Number: 006-13

Material Description: Gray sand (Pond fill).

Liquid Limit: N/A

Plastic Limit: N/A

USCS Classification: SP

Testing Remarks: ASTM C 136, Pond fill sand.

Tested by: ZA

Checked by: HC

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer	Percent Retained
2276.00	0.00	0.00	1/4"	0.00	100.0	0.0
			#4	8.10	99.6	0.4
			#10	135.00	94.1	5.9
			#16	629.50	72.3	27.7
			#40	1459.60	35.9	64.1
			#100	2035.80	10.6	89.4
			#200	2207.80	3.0	97.0

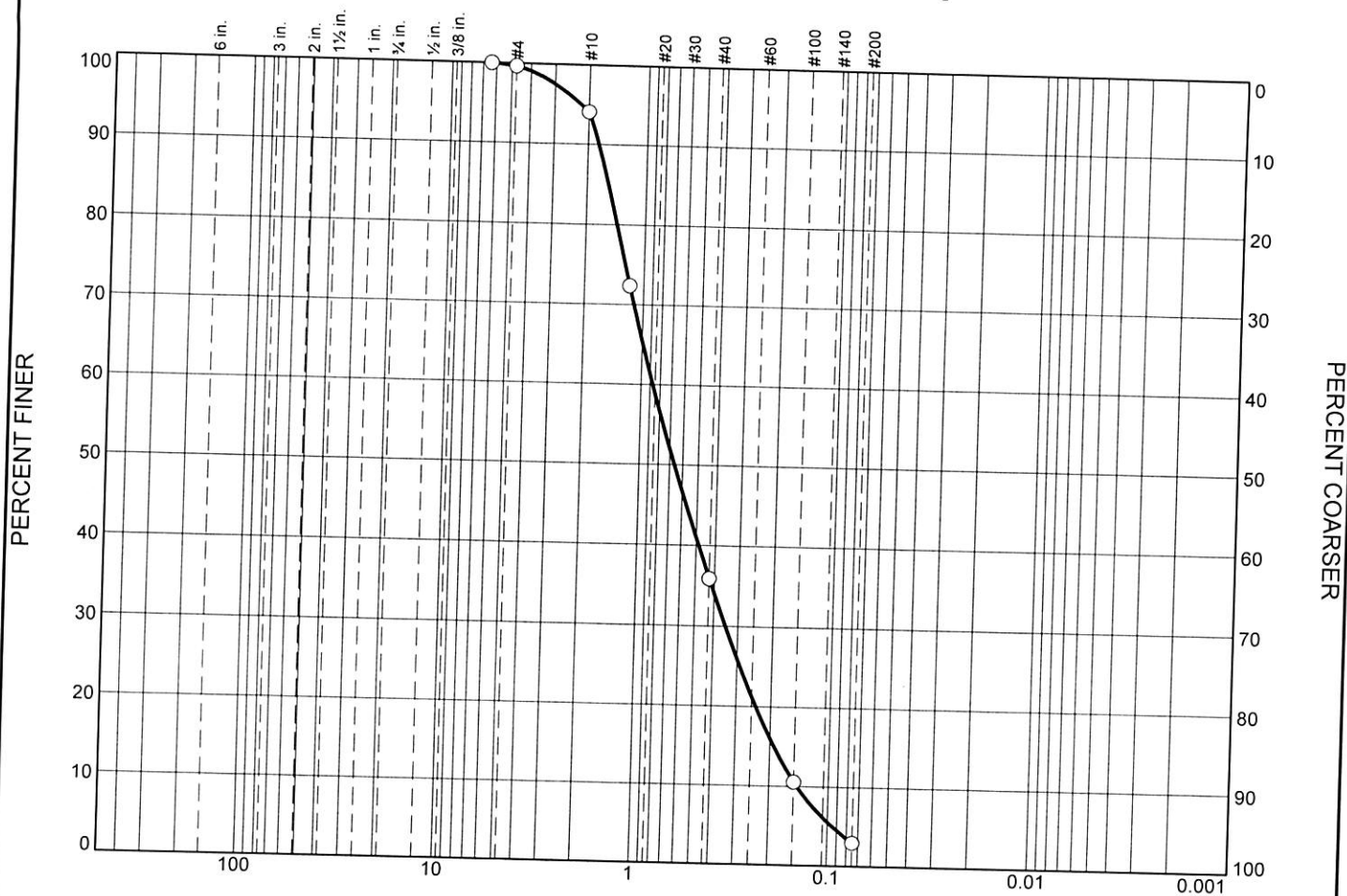
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.4	0.4	5.5	58.2	32.9	96.6			3.0

D ₁₀	D ₁₅	D ₂₀	D ₃₀	D ₅₀	D ₆₀	D ₈₀	D ₈₅	D ₉₀	D ₉₅
0.1447	0.1911	0.2387	0.3478	0.6637	0.8754	1.3961	1.5621	1.7681	2.1967

Fineness Modulus	C _u	C _c
2.49	6.05	0.95

Particle Size Distribution Report



GRAIN SIZE - mm.

GRAIN SIZE - mm.										
	% +3"		% Gravel		% Sand			% Fines		
			Coarse	Fine	Coarse	Medium	Fine	Silt		Clay
○	0.0		0.0	0.4	5.5	58.2	32.9	3.0		
×	LL	PL	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○	N/A	N/A	1.5621	0.8754	0.6637	0.3478	0.1911	0.1447	0.95	6.05

Material Description

☐ Gray sand (Pond fill).

USCS

SP

AASHTO

Project No.

Client: : EQ Northeast

Date:

Project: : Ramapo, NJ

Remarks:

☐ ASTM C 136, Pond fill sand.

☐ Source: Braen Pit (Tilcon) New York.

Depth: N/A

Sample No.: 006-13

Tri State Materials Testing Lab

Wallingford, Connecticut

Figure

Tested By: ZA

Checked By: HC



TRI-STATE MATERIALS TESTING LAB LLC.
New England Regional Office

160 S Turnpike Road Suite 3 Wallingford, CT 06492 • Tel: 203-949-7733 • Fax: 203-949-7735

Client: EQ, Northeast
Project: Ramapo, NJ.

Lab #. 006-13

Test Method: ASTM D2216

Date Tested: 01/11/13

Description of Soil: Pond fill Sand

Tested By: ZA

DETERMINATION OF MOISTURE CONTENT

Can No.	Weight of can, W1 (g)	Weight of can + wet soil, W2 (g)	Weight of can + dry soil, W3 (g)	$w (\%) = \frac{W2-W3}{W3-W1} \times 100$
# 2	706.2	1274.6	1247.8	4.94 %

Source: BRAEN Pit (TILCON, NY)

Report To: EQ, Northeast

Submitted By: Tri-State Materials Testing Lab

Paul Hessel, P.E.

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160 S. Turnpike Rd • Wallingford, CT 06492 • Tel: 203-949-7733 • Fax: 203-949-7735

TSMT
www.tristate-testing.com



SUMMARY OF ANALYTICAL RESULTS: 460-49325-1

Client ID	NY 375-6.8(b)			Pt.6			Pt.7			Pt.8			Pt.9			Pt.10			Pt.11			Pt.12			Pt.13			Pt.14					
Lab Sample ID	& CP-51 T-1			460-49325-1			460-49325-2			460-49325-3			460-49325-4			460-49325-5			460-49325-6			460-49325-7			460-49325-10			460-49325-11					
Sampling Date	Restricted Residential			01/10/2013 11:15:00			01/10/2013 11:20:00			01/10/2013 11:25:00			01/10/2013 11:30:00			01/10/2013 11:35:00			01/10/2013 11:40:00			01/10/2013 11:50:00			01/10/2013 12:10:00			01/10/2013 12:15:00					
Matrix	Soil Cleanup			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil					
Dilution Factor	Criteria			1			1			1			1			1			1			1			1			1					
Unit	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg					
VOA-8260B-SOIL	Result			Q			MDL			Result			Q			MDL			Result			Q			MDL			Result			Q		
SOIL BY 8260B																																	
1,1,1-Trichloroethane	100	0.00017	U	0.00017	0.00016	U	0.00016	0.00014	U	0.00014	0.00012	U	0.00012	0.00013	U	0.00013	0.00016	U	0.00016	0.00015	U	0.00015	0.00013	U	0.00013	0.00016	U						
1,1,2,2-Tetrachloroethane	NA	0.00012	U	0.00012	0.00011	U	0.00011	0.000094	U	0.000094	0.000084	U	0.000084	0.000091	U	0.000091	0.00011	U	0.00011	0.00010	U	0.00010	0.000089	U	0.000089	0.00011	U						
1,1,2-Trichloroethane	NA	0.00018	U	0.00018	0.00017	U	0.00017	0.00015	U	0.00015	0.00013	U	0.00013	0.00014	U	0.00014	0.00017	U	0.00017	0.00016	U	0.00016	0.00014	U	0.00014	0.00017	U						
1,1-Dichloroethane	26	0.00014	U	0.00014	0.00013	U	0.00013	0.00011	U	0.00011	0.00010	U	0.00010	0.00011	U	0.00011	0.00014	U	0.00014	0.00012	U	0.00012	0.00011	U	0.00011	0.00014	U						
1,1-Dichloroethene	100	0.00025	U	0.00025	0.00023	U	0.00023	0.00020	U	0.00020	0.00018	U	0.00018	0.00019	U	0.00019	0.00024	U	0.00024	0.00021	U	0.00021	0.00019	U	0.00019	0.00024	U						
1,2,3-Trichlorobenzene	NA	0.00021	U	0.00021	0.00019	U	0.00019	0.00017	U	0.00017	0.00015	U	0.00015	0.00016	U	0.00016	0.00020	U	0.00020	0.00018	U	0.00018	0.00016	U	0.00016	0.00020	U						
1,2,4-Trichlorobenzene	NA	0.00025	U	0.00025	0.00023	U	0.00023	0.00020	U	0.00020	0.00018	U	0.00018	0.00019	U	0.00019	0.00024	U	0.00024	0.00021	U	0.00021	0.00019	U	0.00019	0.00024	U						
1,2-Dibromo-3-Chloropropane	NA	0.00057	U	0.00057	0.00053	U	0.00053	0.00046	U	0.00046	0.00041	U	0.00041	0.00045	U	0.00045	0.00055	U	0.00055	0.00049	U	0.00049	0.00043	U	0.00043	0.00055	U						
1,2-Dibromoethane	NA	0.00019	U	0.00019	0.00018	U	0.00018	0.00016	U	0.00016	0.00014	U	0.00014	0.00015	U	0.00015	0.00019	U	0.00019	0.00017	U	0.00017	0.00015	U	0.00015	0.00019	U						
1,2-Dichlorobenzene	100	0.00013	U	0.00013	0.00012	U	0.00012	0.00010	U	0.00010	0.000093	U	0.000093	0.00010	U	0.00010	0.00012	U	0.00012	0.00011	U	0.00011	0.000098	U	0.000098	0.00012	U						
1,2-Dichloroethane	3.1	0.00023	U	0.00023	0.00022	U	0.00022	0.00019	U	0.00019	0.00017	U	0.00017	0.00018	U	0.00018	0.00022	U	0.00022	0.00020	U	0.00020	0.00018	U	0.00018	0.00022	U						
1,2-Dichloropropane	NA	0.00019	U	0.00019	0.00018	U	0.00018	0.00016	U	0.00016	0.00014	U	0.00014	0.00015	U	0.00015	0.00019	U	0.00019	0.00017	U	0.00017	0.00015	U	0.00015	0.00019	U						
1,3-Dichlorobenzene	49	0.00021	U	0.00021	0.00019	U	0.00019	0.00017	U	0.00017	0.00015	U	0.00015	0.00016	U	0.00016	0.00020	U	0.00020	0.00018	U	0.00018	0.00016	U	0.00016	0.00020	U						
1,4-Dichlorobenzene	13	0.00014	U	0.00014	0.00013	U	0.00013	0.00011	U	0.00011	0.00010	U	0.00010	0.00011	U	0.00011	0.00014	U	0.00014	0.00012	U	0.00012	0.00011	U	0.00011	0.00014	U						
1,4-Dioxane	13	0.016	U	0.016	0.015	U	0.015	0.013	U	0.013	0.012	U	0.012	0.013	U	0.013	0.016	U	0.016	0.014	U	0.014	0.012	U	0.012	0.016	U						
2-Butanone	NA	0.00081	U*	0.00081	0.00076	U*	0.00076	0.00066	U*	0.00066	0.00059	U*	0.00059	0.00064	U*	0.00064	0.00078	U*	0.00078	0.00071	U*	0.00071	0.00062	U*	0.00062	0.00079	U*						
2-Hexanone	NA	0.00017	U	0.00017	0.00016	U	0.00016	0.00014	U	0.00014	0.00012	U	0.00012	0.00013	U	0.00013	0.00016	U	0.00016	0.00015	U	0.00015	0.00013	U	0.00013	0.00016	U						
4-Methyl-2-pentanone	NA	0.00026	U	0.00026	0.00024	U	0.00024	0.00021	U	0.00021	0.00019	U	0.00019	0.00020	U	0.00020	0.00025	U	0.00025	0.00022	U	0.00022	0.00020	U	0.00020	0.00025	U						
Acetone	100	0.0022	U	0.0022	0.002	U	0.002	0.0018	U	0.0018	0.0016	U	0.0016	0.0017	U	0.0017	0.0039	J B	0.0021	0.0019	U	0.0019	0.0019	J B	0.0017	0.0021	U						
Benzene	4.8	0.00019	U	0.00019	0.00018	U	0.00018	0.00016	U	0.00016	0.00014	U	0.00014	0.00015	U	0.00015	0.00019	U	0.00019	0.00017	U	0.00017	0.00015	U	0.00015	0.00019	U						
Bromochloromethane	NA	0.00014	U	0.00014	0.00013	U	0.00013	0.00011	U	0.00011	0.00010	U	0.00010	0.00011	U	0.00011	0.00014	U	0.00014	0.00012	U	0.00012	0.00011	U	0.00011	0.00014	U						
Bromodichloromethane	NA	0.00041	U	0.00041	0.00038	U	0.00038	0.00033	U	0.00033	0.00030	U	0.00030	0.00032	U	0.00032	0.00040	U	0.00040	0.00036	U	0.00036	0.00031	U	0.00031	0.00040	U						
Bromoform	NA	0.00022	U	0.00022	0.00020	U	0.00020	0.00018	U	0.00018	0.00016	U	0.00016	0.00017	U	0.00017	0.00021	U	0.00021	0.00019	U	0.00019	0.00017	U	0.00017	0.00021	U						
Bromomethane	NA	0.00056	U	0.00056	0.00052	U	0.00052	0.00045	U	0.00045	0.00040	U	0.00040	0.00044	U	0.00044	0.00054	U	0.00054	0.00048	U	0.00048	0.00042	U	0.00042	0.00054	U						
Carbon disulfide	NA	0.00019	U	0.00019	0.00018	U	0.00018	0.00016	U	0.00016	0.00014	U	0.00014	0.00015	U	0.00015	0.00019	U	0.00019	0.00017	U	0.00017	0.00023	J	0.00015	0.00021	J						
Carbon tetrachloride	2.4	0.00019	U	0.00019	0.00018	U	0.00018	0.00016	U	0.00016	0.00014	U	0.00014	0.00015	U	0.00015	0.00019	U	0.00019	0.00017	U	0.00017	0.00015	U	0.00015	0.00019	U						
Chlorobenzene	100	0.00023	U	0.00023	0.00022	U	0.00022	0.00019	U	0.00019	0.00017	U	0.00017	0.00018	U	0.00018	0.00022	U	0.00022	0.00020	U	0.00020	0.00018	U	0.00018	0.00022	U						
Chloroethane	NA	0.00043	U	0.00043	0.00040	U	0.00040	0.00034	U	0.00034	0.00031	U	0.00031	0.00033	U	0.00033	0.00041	U	0.00041	0.00037	U	0.00037	0.00032	U	0.00032	0.00041	U						
Chloroform	49	0.00031	U	0.00031	0.00029	U	0.00029	0.00025	U	0.00025	0.00022	U	0.00022	0.00024	U	0.00024	0.00030	U	0.00030	0.00027	U	0.00027	0.00024	U	0.00024	0.00030	U						
Chloromethane	NA	0.00021	U	0.00021	0.00019	U	0.00019	0.00017	U	0.00017	0.00015	U	0.00015	0.00016	U	0.00016	0.00020	U	0.00020	0.00018	U	0.00018	0.00016	U	0.00016	0.00020	U						
cis-1,2-Dichloroethene	100	0.00014	U	0.00014	0.00013	U	0.00013	0.00011	U	0.00011	0.00010	U	0.00010	0.00011	U	0.00011	0.00014	U	0.00014	0.00012	U	0.00012	0.00011	U	0.00011	0.00014	U						
cis-1,3-Dichloropropene	NA	0.00018	U	0.00018	0.00017	U	0.00017	0.00015	U	0.00015	0.00013	U	0.00013	0.00014	U	0.00014	0.00017	U	0.00017	0.00016	U	0.00016	0.00014	U	0.00014	0.00017	U						
Cyclohexane	NA	0.00017	U	0.00017	0.00016	U	0.00016	0.00014	U	0.00014	0.00012	U	0.00012	0.00013	U	0.00013	0.00016	U	0.00016	0.00015	U	0.00015	0.00013	U	0.00013	0.00016	U						
Dibromochloromethane	NA	0.00013	U	0.00013	0.00012	U	0.00012	0.00010	U	0.00010	0.000093	U	0.000093	0.00010	U	0.00010	0.00012	U	0.00012	0.00011	U	0.00011	0.000098	U	0.000098	0.00012	U						
Dichlorodifluoromethane	NA	0.00028	U	0.00028	0.00026	U	0.00026	0.00023	U	0.00023	0.00021	U	0.00021	0.00022	U	0.00022	0.00027	U	0.00027	0.00025	U	0.00025	0.00022	U	0.00022	0.00027	U						
Ethylbenzene	41	0.00022	U	0.00022	0.00020	U	0.00020	0.00018	U	0.00018	0.00016																						



SUMMARY OF ANALYTICAL RESULTS: 460-49325-1

Client ID	NY 375-6.8(b)		Pt.15		Pt.16		Pt. 17		Pt. 18		Pt.19		Pt.20	
Lab Sample ID	& CP-51 T-1		460-49325-13		460-49325-14		460-49325-16		460-49325-17		460-49325-19		460-49325-20	
Sampling Date	Restricted Residential		01/10/2013 12:25:00		01/10/2013 12:30:00		01/10/2013 12:40:00		01/10/2013 12:45:00		01/10/2013 12:55:00		01/10/2013 13:00:00	
Matrix	Soil Cleanup		Soil		Soil		Soil		Soil		Soil		Soil	
Dilution Factor	Criteria		1		1		1		1		1		1	
Unit	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
VOA-8260B-SOIL	MDL		Result		Result		Result		Result		Result		Result	
SOIL BY 8260B			Q		Q		Q		Q		Q		Q	
1,1,1-Trichloroethane	100	0.00016	0.00016	U	0.00016	0.00013	U	0.00013	0.00020	U	0.00020	0.00013	U	0.00013
1,1,2,2-Tetrachloroethane	NA	0.00011	0.00011	U	0.00011	0.000091	U	0.000091	0.00014	U	0.00014	0.000089	U	0.000089
1,1,2-Trichloroethane	NA	0.00017	0.00017	U	0.00017	0.00014	U	0.00014	0.00022	U	0.00022	0.00014	U	0.00014
1,1-Dichloroethane	26	0.00014	0.00014	U	0.00014	0.00011	U	0.00011	0.00017	U	0.00017	0.00011	U	0.00011
1,1-Dichloroethene	100	0.00024	0.00024	U	0.00024	0.00019	U	0.00019	0.00030	U	0.00030	0.00019	U	0.00019
1,2,3-Trichlorobenzene	NA	0.00020	0.00020	U	0.00020	0.00016	U	0.00016	0.00025	U	0.00025	0.00016	U	0.00016
1,2,4-Trichlorobenzene	NA	0.00024	0.00024	U	0.00024	0.00019	U	0.00019	0.00030	U	0.00030	0.00019	U	0.00019
1,2-Dibromo-3-Chloropropane	NA	0.00055	0.00055	U	0.00055	0.00044	U	0.00044	0.00069	U	0.00069	0.00043	U	0.00043
1,2-Dibromoethane	NA	0.00019	0.00019	U	0.00019	0.00015	U	0.00015	0.00023	U	0.00023	0.00015	U	0.00015
1,2-Dichlorobenzene	100	0.00012	0.00012	U	0.00012	0.00010	U	0.00010	0.00016	U	0.00016	0.000099	U	0.000099
1,2-Dichloroethane	3.1	0.00022	0.00022	U	0.00022	0.00018	U	0.00018	0.00028	U	0.00028	0.00018	U	0.00018
1,2-Dichloropropane	NA	0.00019	0.00019	U	0.00019	0.00015	U	0.00015	0.00023	U	0.00023	0.00015	U	0.00015
1,3-Dichlorobenzene	49	0.00020	0.00020	U	0.00020	0.00016	U	0.00016	0.00025	U	0.00025	0.00016	U	0.00016
1,4-Dichlorobenzene	13	0.00014	0.00014	U	0.00014	0.00011	U	0.00011	0.00017	U	0.00017	0.00011	U	0.00011
1,4-Dioxane	13	0.016	0.016	U	0.016	0.013	U	0.013	0.020	U	0.020	0.013	U	0.013
2-Butanone	NA	0.00079	0.00078	U*	0.00078	0.00064	U	0.00064	0.00098	U	0.00098	0.00062	U	0.00062
2-Hexanone	NA	0.00016	0.00016	U	0.00016	0.00013	U	0.00013	0.00020	U	0.00020	0.00013	U	0.00013
4-Methyl-2-pentanone	NA	0.00025	0.00025	U	0.00025	0.00020	U	0.00020	0.00031	U	0.00031	0.00020	U	0.00020
Acetone	100	0.0021	0.0021	U	0.0021	0.0017	U	0.0017	0.0069	J B	0.0026	0.0017	U	0.0017
Benzene	4.8	0.00019	0.00019	U	0.00019	0.00015	U	0.00015	0.00023	U	0.00023	0.00015	U	0.00015
Bromochloromethane	NA	0.00014	0.00014	U	0.00014	0.00011	U	0.00011	0.00017	U	0.00017	0.00011	U	0.00011
Bromodichloromethane	NA	0.00040	0.00040	U	0.00040	0.00032	U	0.00032	0.00050	U	0.00050	0.00032	U	0.00032
Bromoform	NA	0.00021	0.00021	U	0.00021	0.00017	U	0.00017	0.00027	U	0.00027	0.00017	U	0.00017
Bromomethane	NA	0.00054	0.00053	U	0.00053	0.00043	U	0.00043	0.00067	U	0.00067	0.00042	U	0.00042
Carbon disulfide	NA	0.00019	0.00019	U	0.00019	0.00015	U	0.00015	0.00023	U	0.00023	0.00015	U	0.00015
Carbon tetrachloride	2.4	0.00019	0.00019	U	0.00019	0.00015	U	0.00015	0.00023	U	0.00023	0.00015	U	0.00015
Chlorobenzene	100	0.00022	0.00022	U	0.00022	0.00018	U	0.00018	0.00028	U	0.00028	0.00018	U	0.00018
Chloroethane	NA	0.00041	0.00041	U	0.00041	0.00033	U	0.00033	0.00051	U	0.00051	0.00033	U	0.00033
Chloroform	49	0.00030	0.00030	U	0.00030	0.00024	U	0.00024	0.00037	U	0.00037	0.00024	U	0.00024
Chloromethane	NA	0.00020	0.00020	U	0.00020	0.00016	U	0.00016	0.00025	U	0.00025	0.00016	U	0.00016
cis-1,2-Dichloroethene	100	0.00014	0.00014	U	0.00014	0.00011	U	0.00011	0.00017	U	0.00017	0.00011	U	0.00011
cis-1,3-Dichloropropene	NA	0.00017	0.00017	U	0.00017	0.00014	U	0.00014	0.00022	U	0.00022	0.00014	U	0.00014
Cyclohexane	NA	0.00016	0.00016	U	0.00016	0.00013	U	0.00013	0.00020	U	0.00020	0.00013	U	0.00013
Dibromochloromethane	NA	0.00012	0.00012	U	0.00012	0.00010	U	0.00010	0.00016	U	0.00016	0.000099	U	0.000099
Dichlorodifluoromethane	NA	0.00027	0.00027	U	0.00027	0.00022	U	0.00022	0.00034	U	0.00034	0.00022	U	0.00022
Ethylbenzene	41	0.00021	0.00021	U	0.00021	0.00017	U	0.00017	0.00027	U	0.00027	0.00017	U	0.00017
Freon TF	NA	0.00014	0.00014	U	0.00014	0.00011	U	0.00011	0.00017	U	0.00017	0.00011	U	0.00011
Isopropylbenzene	NA	0.00014	0.00014	U	0.00014	0.00011	U	0.00011	0.00017	U	0.00017	0.00011	U	0.00011
m&p-Xylene	NA	0.00074	0.00073	U	0.00073	0.00059	U	0.00059	0.00092	U	0.00092	0.00058	U	0.00058
Methyl acetate	NA	0.00040	0.00040	U	0.00040	0.00032	U	0.00032	0.00050	U	0.00050	0.00032	U	0.00032
Methylcyclohexane	NA	0.00012	0.00012	U	0.00012	0.00010	U	0.00010	0.00016	U	0.00016	0.000099	U	0.000099
Methylene Chloride	100	0.00019	0.0013	U	0.00019	0.0011	B	0.00015	0.0057	B	0.00023	0.0022	B	0.00015
MTBE	100	0.00014	0.00014	U	0.00014	0.00011	U	0.00011	0.00017	U	0.00017	0.00011	U	0.00011
o-Xylene	NA	0.00024	0.00024	U	0.00024	0.00019	U	0.00019	0.00030	U	0.00030	0.00019	U	0.00019
Styrene	NA	0.00035	0.00035	U	0.00035	0.00028	U	0.00028	0.00044	U	0.00044	0.00028	U	0.00028
Tetrachloroethene	19	0.00015	0.00015	U	0.00015	0.00012	U	0.00012	0.00019	U	0.00019	0.00012	U	0.00012
Toluene	100	0.00017	0.00018	J	0.00017	0.00014	U	0.00014	0.00025	J	0.00022	0.00014	U	0.00014
trans-1,2-Dichloroethene	100	0.00016	0.00016	U	0.00016	0.00013	U	0.00013	0.00020	U	0.00020	0.00013	U	0.00013
trans-1,3-Dichloropropene	NA	0.00012	0.00012	U	0.00012	0.00010	U	0.00010	0.00016	U	0.00016	0.000099	U	0.000099
Trichloroethene	21	0.00015	0.00015	U	0.00015	0.00012	U	0.00012	0.00019	U	0.00019	0.00012	U	0.00012
Trichlorofluoromethane	NA	0.00020	0.00020	U	0.00020	0.00016	U	0.00016	0.00025	U	0.00025	0.00016	U	0.00016
Vinyl chloride	0.9	0.00042	0.00042	U	0.00042	0.00034	U	0.00034	0.00053	U	0.00053	0.00034	U	0.00034
Total Conc	NA		0.00148			0.0011			0.01285			0.0022		

B : Compound was found in the blank and sample.
J : Result is less than the RL but greater than or equal to the MDL an
J B : Compound was found in the blank and sample.
U : Indicates the analyte was analyzed for but not detected.
U * : Recovery or RPD exceeds control limits



SUMMARY OF ANALYTICAL RESULTS: 460-49325-1

Client ID	NY 375-6.8(b)	Comp (K-O)			Comp (P-T)			Comp (U-Y)			Comp (Z-DD)			Comp (EE-II)			Comp (JJ-NN)		
Lab Sample ID	& CP-51 T-1	460-49325-8			460-49325-9			460-49325-12			460-49325-15			460-49325-18			460-49325-21		
Sampling Date	Restricted Residential	01/10/2013 12:00:00			01/10/2013 12:05:00			01/10/2013 12:20:00			01/10/2013 12:35:00			01/10/2013 12:50:00			01/10/2013 13:05:00		
Matrix	Soil Cleanup	Soil			Soil			Soil			Soil			Soil			Soil		
Dilution Factor	Criteria	1			1			1			1			1			1		
Unit	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg		
SVOA-8270C-SOIL		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270C																			
1,2,4,5-Tetrachlorobenzene	NA	0.053	U *	0.053	0.050	U *	0.050	0.053	U *	0.053	0.053	U *	0.053	0.050	U *	0.050	0.052	U *	0.052
2,2'-oxybis[1-chloropropane]	NA	0.043	U	0.043	0.041	U	0.041	0.043	U	0.043	0.044	U	0.044	0.041	U	0.041	0.043	U	0.043
2,3,4,6-Tetrachlorophenol	NA	0.051	U	0.051	0.048	U	0.048	0.051	U	0.051	0.051	U	0.051	0.048	U	0.048	0.051	U	0.051
2,4,5-Trichlorophenol	NA	0.050	U	0.050	0.048	U	0.048	0.050	U	0.050	0.051	U	0.051	0.048	U	0.048	0.050	U	0.050
2,4,6-Trichlorophenol	NA	0.046	U	0.046	0.043	U	0.043	0.046	U	0.046	0.046	U	0.046	0.044	U	0.044	0.046	U	0.046
2,4-Dichlorophenol	NA	0.057	U	0.057	0.054	U	0.054	0.057	U	0.057	0.058	U	0.058	0.055	U	0.055	0.057	U	0.057
2,4-Dimethylphenol	NA	0.096	U	0.096	0.091	U	0.091	0.096	U	0.096	0.097	U	0.097	0.092	U	0.092	0.096	U	0.096
2,4-Dinitrophenol	NA	0.22	U	0.22	0.21	U	0.21	0.22	U	0.22	0.22	U	0.22	0.21	U	0.21	0.22	U	0.22
2,4-Dinitrotoluene	NA	0.013	U	0.013	0.012	U	0.012	0.013	U	0.013	0.013	U	0.013	0.012	U	0.012	0.013	U	0.013
2,6-Dinitrotoluene	NA	0.012	U	0.012	0.011	U	0.011	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011	0.012	U	0.012
2-Chloronaphthalene	NA	0.044	U	0.044	0.041	U	0.041	0.044	U	0.044	0.044	U	0.044	0.042	U	0.042	0.043	U	0.043
2-Chlorophenol	NA	0.051	U	0.051	0.049	U	0.049	0.051	U	0.051	0.052	U	0.052	0.049	U	0.049	0.051	U	0.051
2-Methylnaphthalene	NA	0.050	U	0.050	0.047	U	0.047	0.050	U	0.050	0.051	U	0.051	0.048	U	0.048	0.050	U	0.050
2-Methylphenol	100	0.067	U	0.067	0.063	U	0.063	0.067	U	0.067	0.067	U	0.067	0.064	U	0.064	0.066	U	0.066
2-Nitroaniline	NA	0.16	U	0.16	0.15	U	0.15	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16
2-Nitrophenol	NA	0.044	U	0.044	0.041	U	0.041	0.044	U	0.044	0.044	U	0.044	0.042	U	0.042	0.043	U	0.043
3,3'-Dichlorobenzidine	NA	0.14	U	0.14	0.13	U	0.13	0.14	U	0.14	0.14	U	0.14	0.13	U	0.13	0.14	U	0.14
3-Nitroaniline	NA	0.14	U	0.14	0.13	U	0.13	0.14	U	0.14	0.14	U	0.14	0.13	U	0.13	0.14	U	0.14
4,6-Dinitro-2-methylphenol	NA	0.11	U	0.11	0.10	U	0.10	0.11	U	0.11	0.11	U	0.11	0.10	U	0.10	0.11	U	0.11
4-Bromophenyl phenyl ether	NA	0.039	U	0.039	0.037	U	0.037	0.039	U	0.039	0.039	U	0.039	0.037	U	0.037	0.039	U	0.039
4-Chloro-3-methylphenol	NA	0.059	U	0.059	0.056	U	0.056	0.059	U	0.059	0.059	U	0.059	0.056	U	0.056	0.059	U	0.059
4-Chloroaniline	NA	0.10	U	0.10	0.098	U	0.098	0.10	U	0.10	0.10	U	0.10	0.099	U	0.099	0.10	U	0.10
4-Chlorophenyl phenyl ether	NA	0.046	U	0.046	0.043	U	0.043	0.046	U	0.046	0.046	U	0.046	0.044	U	0.044	0.046	U	0.046
4-Methylphenol	100	0.077	U	0.077	0.073	U	0.073	0.077	U	0.077	0.077	U	0.077	0.073	U	0.073	0.077	U	0.077
4-Nitroaniline	NA	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12
4-Nitrophenol	NA	0.25	U	0.25	0.24	U	0.24	0.25	U	0.25	0.25	U	0.25	0.24	U	0.24	0.25	U	0.25
Acenaphthene	100	0.057	U	0.057	0.054	U	0.054	0.057	U	0.057	0.057	U	0.057	0.054	U	0.054	0.057	U	0.057
Acenaphthylene	100	0.046	U	0.046	0.044	U	0.044	0.046	U	0.046	0.047	U	0.047	0.044	U	0.044	0.046	U	0.046
Acetophenone	NA	0.060	U	0.060	0.057	U	0.057	0.060	U	0.060	0.060	U	0.060	0.057	U	0.057	0.060	U	0.060
Anthracene	100	0.047	U	0.047	0.045	U	0.045	0.047	U	0.047	0.048	U	0.048	0.045	U	0.045	0.047	U	0.047
Atrazine	NA	0.060	U	0.060	0.057	U	0.057	0.060	U	0.060	0.061	U	0.061	0.058	U	0.058	0.060	U	0.060
Benzaldehyde	NA	0.046	U	0.046	0.043	U	0.043	0.046	U	0.046	0.046	U	0.046	0.044	U	0.044	0.046	U	0.046
Benzo[a]anthracene	1	0.0027	U	0.0027	0.0026	U	0.0026	0.0027	U	0.0027	0.022	J	0.0027	0.0026	U	0.0026	0.0027	U	0.0027
Benzo[a]pyrene	1	0.0028	U	0.0028	0.0026	U	0.0026	0.0028	U	0.0028	0.0028	U	0.0028	0.0026	U	0.0026	0.0028	U	0.0028
Benzo[b]fluoranthene	1	0.0025	U	0.0025	0.0023	U	0.0023	0.0025	U	0.0025	0.0025	U	0.0025	0.0024	U	0.0024	0.0025	U	0.0025
Benzo[g,h,i]perylene	100	0.029	U	0.029	0.027	U	0.027	0.029	U	0.029	0.029	U	0.029	0.028	U	0.028	0.029	U	0.029
Benzo[k]fluoranthene	3.9	0.003	U	0.003	0.0028	U	0.0028	0.003	U	0.003	0.003	U	0.003	0.0028	U	0.0028	0.003	U	0.003
Bis(2-chloroethoxy)methane	NA	0.050	U	0.050	0.048	U	0.048	0.050	U	0.050	0.051	U	0.051	0.048	U	0.048	0.050	U	0.050
Bis(2-chloroethyl)ether	NA	0.0053	U	0.0053	0.005	U	0.005	0.0053	U	0.0053	0.0054	U	0.0054	0.0051	U	0.0051	0.0053	U	0.0053
Bis(2-ethylhexyl) phthalate	NA	0.13	U	0.13	0.12	U	0.12	0.13	U	0.13	0.13	U	0.13	0.12	U	0.12	0.13	U	0.13
Butyl benzyl phthalate	NA	0.036	U	0.036	0.034	U	0.034	0.036	U	0.036	0.036	U	0.036	0.034	U	0.034	0.036	U	0.036
Caprolactam	NA	0.090	U	0.090	0.085	U	0.085	0.090	U	0.090	0.091	U	0.091	0.086	U	0.086	0.090	U	0.090
Carbazole	NA	0.046	U	0.046	0.044	U	0.044	0.046	U	0.046	0.047	U	0.047	0.044	U	0.044	0.046	U	0.046
Chrysene	3.9	0.046	U	0.046	0.043	U	0.043	0.046	U	0.046	0.046	U	0.046	0.044	U	0.044	0.045	U	0.045
Dibenz(a,h)anthracene	0.33	0.0049	U	0.0049	0.0047	U	0.0047	0.0049	U	0.0049	0.005	U	0.005	0.0047	U	0.0047	0.0049	U	0.0049
Dibenzofuran	59	0.046	U	0.046	0.043	U	0.043	0.046	U	0.046	0.046	U	0.046	0.044	U	0.044	0.046	U	0.046
Diethyl phthalate	NA	0.046	U	0.046	0.044	U	0.044	0.046	U	0.046	0.047	U	0.047	0.044	U	0.044	0.046	U	0.046
Dimethyl phthalate	NA	0.046	U	0.046	0.044	U	0.044	0.046	U	0.046	0.047	U	0.047	0.044	U	0.044	0.046	U	0.046
Di-n-butyl phthalate	NA	0.048	U	0.048	0.046	U	0.046	0.048	U	0.048	0.049	U	0.049	0.046	U	0.046	0.048	U	0.048
Di-n-octyl phthalate	NA	0.025	U	0.025	0.024	U	0.024	0.025	U	0.025	0.025	U	0.025	0.024	U	0.024	0.025	U	0.025
Diphenyl	NA	0.052	U	0.052	0.050	U	0.050	0.052	U	0.052	0.053	U	0.053	0.050	U	0.050	0.052	U	0.052
Fluoranthene	100	0.052	U	0.052	0.049	U	0.049	0.052	U	0.052	0.052	U	0.052	0.050	U	0.050	0.052	U	0.052
Fluorene	100	0.050	U	0.050	0.047	U	0.047	0.050	U	0.050	0.050	U	0.050	0.048	U	0.048	0.050	U	0.050
Hexachlorobenzene	1.2	0.0053	U	0.0053	0.0051	U	0.0051	0.0053	U	0.0053	0.0054	U	0.0054	0.0051	U	0.0051	0.0053	U	0.0053
Hexachlorobutadiene	NA	0.0095	U	0.0095	0.009	U	0.009	0.0095	U	0.0095	0.0096	U	0.0096	0.0091	U	0.0091	0.0095	U	0.0095
Hexachlorocyclopentadiene	NA	0.046	U	0.046	0.043	U	0.043	0.046	U	0.046	0.046	U	0.046	0.044	U	0.044	0.046	U	0.046
Hexachloroethane	NA	0.0043	U	0.0043	0.0041	U	0.0041	0.0043	U	0.0043	0.0044	U	0.0044	0.0042	U	0.0042	0.0043	U	0.0043
Indeno[1,2,3-cd]pyrene	0.5	0.0073	U	0.0073	0.0069	U	0.0069	0.0073	U	0.0073	0.0073	U	0.0073	0.0069	U	0.0069	0.0072	U	0.0072
Isophorone	NA	0.047	U	0.047	0.045	U	0.045	0.047	U	0.047	0.048	U	0.048	0.045	U	0.045	0.047	U	0.047
Naphthalene	100	0.045	U	0.045	0.043	U	0.043	0.045	U	0.045	0.046	U	0.046	0.043	U	0.043	0.045	U	0.045
Nitrobenzene	15	0.0055	U	0.0055	0.0053	U	0.0053	0.0055	U	0.0055	0.0056	U	0.0056	0.0053	U	0.0053	0.0055	U	0.0055
N-Nitrosodi-n-propylamine	NA	0.0065	U *	0.0065	0.0062	U *	0.0062	0.0065	U *	0.0065	0.0066	U *	0.0066	0.0062	U *	0.0062	0.0065	U *	0.0065
N-Nitrosodiphenylamine	NA	0.038	U	0.038	0														



SUMMARY OF ANALYTICAL RESULTS: 460-49325-1

Client ID	NY 375-6.8(b)	Comp (K-O)			Comp (P-T)			Comp (U-Y)			Comp (Z-DD)			Comp (EE-II)			Comp (JJ-NN)		
Lab Sample ID	& CP-51 T-1	460-49325-8			460-49325-9			460-49325-12			460-49325-15			460-49325-18			460-49325-21		
Sampling Date	Restricted Residential	01/10/2013 12:00:00			01/10/2013 12:05:00			01/10/2013 12:20:00			01/10/2013 12:35:00			01/10/2013 12:50:00			01/10/2013 13:05:00		
Matrix	Soil Cleanup	Soil			Soil			Soil			Soil			Soil			Soil		
Dilution Factor	Criteria	1			1			1			1			1			1		
Unit	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg		
GCSVOA-8081A-SOIL		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8081A																			
4,4'-DDD	13	0.0024	U	0.0024	0.0022	U	0.0022	0.0024	U	0.0024	0.0024	U	0.0024	0.0023	U	0.0023	0.0024	U	0.0024
4,4'-DDE	8.9	0.0052	U	0.0052	0.0049	U	0.0049	0.0052	U	0.0052	0.0052	U	0.0052	0.005	U	0.005	0.0052	U	0.0052
4,4'-DDT	7.9	0.0015	U	0.0015	0.0014	U	0.0014	0.0015	U	0.0015	0.0015	U	0.0015	0.0015	U	0.0015	0.0015	U	0.0015
Aldrin	0.097	0.0022	U	0.0022	0.0021	U	0.0021	0.0022	U	0.0022	0.0023	U	0.0023	0.0021	U	0.0021	0.0022	U	0.0022
alpha-BHC	0.48	0.0017	U	0.0017	0.0016	U	0.0016	0.0017	U	0.0017	0.0017	U	0.0017	0.0016	U	0.0016	0.0017	U	0.0017
beta-BHC	0.36	0.0015	U	0.0015	0.0014	U	0.0014	0.0015	U	0.0015	0.0015	U	0.0015	0.0015	U	0.0015	0.0015	U	0.0015
Chlordane	NA	0.032	U	0.032	0.030	U	0.030	0.032	U	0.032	0.032	U	0.032	0.030	U	0.030	0.032	U	0.032
delta-BHC	100	0.0034	U	0.0034	0.0032	U	0.0032	0.0034	U	0.0034	0.0035	U	0.0035	0.0033	U	0.0033	0.0034	U	0.0034
Dieldrin	0.2	0.0019	U	0.0019	0.0018	U	0.0018	0.0019	U	0.0019	0.0019	U	0.0019	0.0018	U	0.0018	0.0019	U	0.0019
Endosulfan I	24	0.002	U	0.002	0.0019	U	0.0019	0.002	U	0.002	0.002	U	0.002	0.0019	U	0.0019	0.002	U	0.002
Endosulfan II	24	0.0021	U	0.0021	0.002	U	0.002	0.0021	U	0.0021	0.0021	U	0.0021	0.002	U	0.002	0.0021	U	0.0021
Endosulfan sulfate	24	0.0022	U	0.0022	0.0021	U	0.0021	0.0022	U	0.0022	0.0023	U	0.0023	0.0021	U	0.0021	0.0022	U	0.0022
Endrin	11	0.0021	U	0.0021	0.002	U	0.002	0.0021	U	0.0021	0.0021	U	0.0021	0.002	U	0.002	0.0021	U	0.0021
Endrin aldehyde	NA	0.0018	U	0.0018	0.0017	U	0.0017	0.0018	U	0.0018	0.0018	U	0.0018	0.0017	U	0.0017	0.0018	U	0.0018
Endrin ketone	NA	0.0021	U	0.0021	0.002	U	0.002	0.0021	U	0.0021	0.0021	U	0.0021	0.002	U	0.002	0.0021	U	0.0021
gamma-BHC (Lindane)	1.3	0.0015	U	0.0015	0.0014	U	0.0014	0.0015	U	0.0015	0.0015	U	0.0015	0.0015	U	0.0015	0.0015	U	0.0015
Heptachlor	2.1	0.0012	U	0.0012	0.0011	U	0.0011	0.0012	U	0.0012	0.0012	U	0.0012	0.0011	U	0.0011	0.0012	U	0.0012
Heptachlor epoxide	NA	0.002	U	0.002	0.0019	U	0.0019	0.002	U	0.002	0.002	U	0.002	0.0019	U	0.0019	0.002	U	0.002
Methoxychlor	NA	0.0017	U	0.0017	0.0016	U	0.0016	0.0017	U	0.0017	0.0017	U	0.0017	0.0016	U	0.0016	0.0017	U	0.0017
Toxaphene	NA	0.026	U	0.026	0.025	U	0.025	0.026	U	0.026	0.026	U	0.026	0.025	U	0.025	0.026	U	0.026

U : Indicates the analyte was analyzed for but not detected.



SUMMARY OF ANALYTICAL RESULTS: 460-49325-1

Client ID	NY 375-6.8(b)	Comp (K-O)			Comp (P-T)			Comp (U-Y)			Comp (Z-DD)			Comp (EE-II)			Comp (JJ-NN)		
Lab Sample ID	& CP-51 T-1	460-49325-8			460-49325-9			460-49325-12			460-49325-15			460-49325-18			460-49325-21		
Sampling Date	Restricted Residential	01/10/2013 12:00:00			01/10/2013 12:05:00			01/10/2013 12:20:00			01/10/2013 12:35:00			01/10/2013 12:50:00			01/10/2013 13:05:00		
Matrix	Soil Cleanup	Soil			Soil			Soil			Soil			Soil			Soil		
Dilution Factor	Criteria	1			1			1			1			1			1		
Unit	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg		
GCSVOA-8082-SOIL		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8082																			
Aroclor 1016	NA	0.014	U	0.014	0.013	U	0.013	0.014	U	0.014	0.014	U	0.014	0.014	U	0.014	0.014	U	0.014
Aroclor 1221	NA	0.014	U	0.014	0.013	U	0.013	0.014	U	0.014	0.014	U	0.014	0.014	U	0.014	0.014	U	0.014
Aroclor 1232	NA	0.014	U	0.014	0.013	U	0.013	0.014	U	0.014	0.014	U	0.014	0.014	U	0.014	0.014	U	0.014
Aroclor 1242	NA	0.014	U	0.014	0.013	U	0.013	0.014	U	0.014	0.014	U	0.014	0.014	U	0.014	0.014	U	0.014
Aroclor 1248	NA	0.014	U	0.014	0.013	U	0.013	0.014	U	0.014	0.014	U	0.014	0.014	U	0.014	0.014	U	0.014
Aroclor 1254	NA	0.018	U	0.018	0.017	U	0.017	0.018	U	0.018	0.018	U	0.018	0.017	U	0.017	0.018	U	0.018
Aroclor 1260	NA	0.018	U	0.018	0.017	U	0.017	0.018	U	0.018	0.018	U	0.018	0.017	U	0.017	0.018	U	0.018
Aroclor 1262	NA	0.018	U	0.018	0.017	U	0.017	0.018	U	0.018	0.018	U	0.018	0.017	U	0.017	0.018	U	0.018
Aroclor 1268	NA	0.018	U	0.018	0.017	U	0.017	0.018	U	0.018	0.018	U	0.018	0.017	U	0.017	0.018	U	0.018
Polychlorinated biphenyls, Total	1	0.018	U	0.018	0.017	U	0.017	0.018	U	0.018	0.018	U	0.018	0.017	U	0.017	0.018	U	0.018

U : Indicates the analyte was analyzed for but not detected.



SUMMARY OF ANALYTICAL RESULTS: 460-49325-1

Client ID	NY 375-6.8(b)	Comp (K-O)			Comp (P-T)			Comp (U-Y)			Comp (Z-DD)			Comp (EE-II)			Comp (JJ-NN)		
Lab Sample ID	& CP-51 T-1	460-49325-8			460-49325-9			460-49325-12			460-49325-15			460-49325-18			460-49325-21		
Sampling Date	Restricted Residential	01/10/2013 12:00:00			01/10/2013 12:05:00			01/10/2013 12:20:00			01/10/2013 12:35:00			01/10/2013 12:50:00			01/10/2013 13:05:00		
Matrix	Soil Cleanup	Soil			Soil			Soil			Soil			Soil			Soil		
Dilution Factor	Criteria	1			1			1			1			1			1		
Unit	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg		
GCSVOA-8151A-SOIL		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8151A																			
2,4,5-T	NA	0.004	U	0.004	0.0038	U	0.0038	0.004	U	0.004	0.0041	U	0.0041	0.0038	U	0.0038	0.004	U	0.004
2,4-D	NA	0.0026	U *	0.0026	0.0024	U *	0.0024	0.0026	U *	0.0026	0.0026	U *	0.0026	0.0024	U *	0.0024	0.0026	U *	0.0026
Silvex (2,4,5-TP)	100	0.0022	U *	0.0022	0.0021	U *	0.0021	0.0022	U *	0.0022	0.0022	U *	0.0022	0.0021	U *	0.0021	0.0022	U *	0.0022

: Surrogate is outside control limits
U : Indicates the analyte was analyzed for but not detected.
U * : Indicates the analyte was analyzed for but not detected.
X : Surrogate is outside control limits



SUMMARY OF ANALYTICAL RESULTS: 460-49325-1

Client ID	NY 375-6.8(b)	Comp (K-O)			Comp (P-T)			Comp (U-Y)			Comp (Z-DD)			Comp (EE-II)			Comp (JJ-NN)		
Lab Sample ID	& CP-51 T-1	460-49325-8			460-49325-9			460-49325-12			460-49325-15			460-49325-18			460-49325-21		
Sampling Date	Restricted Residential	01/10/2013 12:00:00			01/10/2013 12:05:00			01/10/2013 12:20:00			01/10/2013 12:35:00			01/10/2013 12:50:00			01/10/2013 13:05:00		
Matrix	Soil Cleanup	Soil			Soil			Soil			Soil			Soil			Soil		
	Criteria																		
Unit	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg		
METALS-SOIL		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 6010B																			
Aluminum	NA	9270		21.5	8790		20.0	9940		21.5	8950		20.6	9100		19.9	10500		21.5
Antimony	NA	1.5	U	1.5	1.4	U	1.4	1.5	U	1.5	1.4	U	1.4	1.4	U	1.4	1.5	U	1.5
Arsenic	16	1.9		1.1	1.8		1.0	1.2		1.1	1.1	U	1.1	1.5		1.0	2.5		1.1
Barium	400	52.7		1.3	46.7		1.3	59.8		1.3	48.2		1.3	52.1		1.2	60.5		1.3
Beryllium	72	0.24	J	0.17	0.19	J	0.16	0.24	J	0.17	0.21	J	0.16	0.23	J	0.16	0.26	J	0.17
Cadmium	4.3	0.18	U	0.18	0.16	U	0.16	0.17	U	0.17	0.17	U	0.17	0.16	U	0.16	0.17	U	0.17
Calcium	NA	11500		83.8	8330		77.7	11400		83.6	9670		80.3	9350		77.6	11500		83.6
Chromium	NA	19.0		1.0	18.7		0.94	21.3		1.0	17.5		0.98	20.0		0.94	24.9		1.0
Cobalt	NA	12.2		1.0	10.6	J	0.93	12.4		1.0	11.2	J	0.97	11.2		0.93	14.0		1.0
Copper	270	66.3		2.3	68.1		2.1	70.3		2.3	61.5		2.2	62.0		2.1	67.7		2.3
Iron	NA	24500		14.3	22100		13.3	25800		14.3	23200		13.7	23200		13.3	27700		14.3
Lead	400	5.1		1.0	3.8		0.94	4.3		1.0	4.5		0.98	4.9		0.94	5.0		1.0
Magnesium	NA	10200		85.2	8590		79.0	10000		85.0	8670		81.7	8940		78.9	10900		85.0
Manganese	2000	397		1.0	344		0.97	423		1.0	378		1.0	401		0.96	452		1.0
Nickel	310	18.4		1.0	17.8		0.97	20.3		1.0	17.7		1.0	18.7		0.96	22.0		1.0
Potassium	NA	2530		127	3020		117	2900		126	2320		121	2630		117	2930		126
Selenium	180	2.7		1.6	2.0	J	1.4	1.6	U	1.6	2.2	J	1.5	1.4	J	1.4	2.0	J	1.6
Silver	180	0.24	U	0.24	0.22	U	0.22	0.24	U	0.24	0.23	U	0.23	0.22	U	0.22	0.24	U	0.24
Sodium	NA	445	J	187	372	J	173	488	J	186	407	J	179	404	J	173	458	J	187
Thallium	NA	1.3	U	1.3	1.2	U	1.2	1.3	U	1.3	1.3	U	1.3	1.2	U	1.2	1.3	U	1.3
Vanadium	NA	37.6		0.91	34.8	U	0.84	40.2		0.91	33.9		0.87	36.4		0.84	45.0		0.91
Zinc	10000	42.2		1.3	37.6		1.2	44.7		1.3	40.6		1.2	40.4		1.2	48.7		1.3
SOIL BY 7471A																			
Mercury	0.81	0.026	U	0.026	0.024	U	0.024	0.022	U	0.022	0.023	U	0.023	0.025	U	0.025	0.023	U	0.023

Highlighted Concentrations shown in bold type face exceed limits
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.



SUMMARY OF ANALYTICAL RESULTS: 460-49325-1

Client ID	NY 375-6.8(b)	Comp (K-O)			Comp (P-T)			Comp (U-Y)			Comp (Z-DD)			Comp (EE-II)			Comp (JJ-NN)		
Lab Sample ID	& CP-51 T-1	460-49325-8			460-49325-9			460-49325-12			460-49325-15			460-49325-18			460-49325-21		
Sampling Date	Restricted Residential	01/10/2013 12:00:00			01/10/2013 12:05:00			01/10/2013 12:20:00			01/10/2013 12:35:00			01/10/2013 12:50:00			01/10/2013 13:05:00		
Matrix	Soil Cleanup	Soil			Soil			Soil			Soil			Soil			Soil		
	Criteria																		
WETCHEM-SOIL		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 7196A																			
Cr (III) (mg/kg)	180	19.0		1.0	18.7		0.96	21.3		1.0	17.5		1.0	20.0		0.97	24.9		1.0
Cr (VI) (mg/kg)	110	0.61	U	0.61	0.56	U	0.56	0.60	U	0.60	0.60	U	0.60	0.59	U	0.59	0.61	U	0.61
SOIL BY 9045C																			
pH (su)	NA	8.15	HF		8.31	HF		8.10	HF		8.00	HF		8.20	HF		8.17	HF	

HF : Field parameter with a holding time of 15 minutes
U : Indicates the analyte was analyzed for but not detected.



SUMMARY OF ANALYTICAL RESULTS: 460-49929-1

Client ID	NY 375-6.8(b)	Van Orden POND-1			Van Orden POND-2			Van Orden POND-3			Van Orden POND-4			Van Orden POND-5			Van Orden POND-6		
Lab Sample ID	& CP-51 T-1	460-49929-1			460-49929-2			460-49929-3			460-49929-4			460-49929-5			460-49929-6		
Sampling Date	Restricted Residential	01/25/2013 11:30:00			01/25/2013 11:30:00			01/25/2013 11:30:00			01/25/2013 11:30:00			01/25/2013 11:30:00			01/25/2013 11:30:00		
Matrix	Soil Cleanup	Soil			Soil			Soil			Soil			Soil			Soil		
	Criteria																		
WETCHEM-SOIL		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 9012A																			
Cyanide, Total (mg/kg)	NA	0.088	J	0.065	0.10	J	0.063	0.10	J	0.065	0.10	J	0.065	0.092	J	0.064	0.075	J	0.065

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Rocklin, Jon

From: William Bennett <wbbennet@gw.dec.state.ny.us>
Sent: Wednesday, July 17, 2013 10:50 AM
To: Rocklin, Jon
Subject: Re: Ford Ramapo Top Soil Data - VanOrden Fill Sampling

Jon,

The analytical results indicate this topsoil may be used as backfill at the site.

Bill

William B. Bennett III, P.E.
Environmental Engineer 2
Remedial Bureau C
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7014
Phone: (518) 402-9662
Fax: (518) 402-9679
>>> "Rocklin, Jon" <Jon.Rocklin@arcadis-us.com> 7/15/2013 12:27 PM >>>
Bill – Attached is the analytical associated with the topsoil for the Ford Ramapo OU-1 Site.

Original Submission: 5 Grab and 2 Composite
New Submission: 10 Grab and 5 Composite
Total: 15 Grab and 7 Composite

If you have any questions or comments, please email me or call me.

I will send you the requested waste class data associated with the OU-2 FS today as well.

Thank you,
Jon

Jon Rocklin | Project Manager | jon.rocklin@arcadis-us.com
ARCADIS U.S., Inc. | 17-17 Route 208 North, 2nd Floor | Fair Lawn, NJ 07410
Direct: 201.398.4364 | Fax: 201.797.4399 | Cell 914.260.7373
www.arcadis-us.com
ARCADIS, Imagine the result
Remember that it's everyone's responsibility to make sure no one gets hurt.



Please consider the environment before printing this e-mail



From: Mastrocola, Krista
Sent: Monday, July 08, 2013 10:53 AM
To: John Geary; Rocklin, Jon

Cc: Bracken, Paul; Chris Brady
Subject: RE: VanOrden Fill Sampling

John,

Please find the approval for the additional backfill associated with Ford Ramapo. The current total allows EQ to bring 19,000 cy of material for placement as certified clean fill. This does not incorporate the volume of topsoil.

Thanks.

-Krista

610.755.7080

From: John Geary [<mailto:John.Geary@eqonline.com>]
Sent: Thursday, June 20, 2013 4:58 PM
To: Rocklin, Jon
Cc: Bracken, Paul; Chris Brady; Mastrocola, Krista
Subject: VanOrden Fill Sampling

Jon,
Please find the latest round of fill material sampling. There are no exceedances. With the previous data, this covers us up to 19,000cy which should be more than enough to see us through the end.

I will be taking a vacation day tomorrow but if you do need to get in touch with me, please call my cell and I will get back to you as soon as possible.

Thank You



John Geary
Project Manager

EQ – The Environmental Quality Company

EQ Northeast, Inc.

185 Industrial Road
Wrentham, MA 02093
T: 508-341-6568 F: 203-630-2530 M: 508-341-6568
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Emergency Response: 800-839-3975

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Highlighted Concentrations shown in bold type face exceed limits

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
J* : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Page 1 of 7



SUMMARY OF ANALYTICAL RESULTS: 460-57622-1

Client ID	NY 375-6.8(b)		Comp #1		Comp #2		Comp #3		Comp #4		Comp #5		Comp #6		Comp #7		Comp #8					
Lab Sample ID	& CP-51 T-1		460-57622-1		460-57622-2		460-57622-3		460-57622-4		460-57622-5		460-57622-6		460-57622-7		460-57622-8					
Sampling Date	Restricted Residential		06/10/2013 08:28:00		06/10/2013 08:47:00		06/10/2013 09:02:00		06/10/2013 09:22:00		06/10/2013 09:41:00		06/10/2013 10:09:00		06/10/2013 10:37:00		06/10/2013 11:06:00					
Matrix	Soil Cleanup		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil					
Dilution Factor	Criteria		1		1		1		1		1		1		1		1					
Unit	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg					
SVOA-8270C-SOIL	Result		Q	MDL	Result		Q	MDL	Result		Q	MDL	Result		Q	MDL	Result					
SOIL BY 8270C																						
Acenaphthene	100	0.059	U	0.059	0.057	U	0.057	0.055	U	0.055	0.056	U	0.056	0.059	U	0.059	0.053	U	0.053	0.059	U	0.059
Acenaphthylene	100	0.048	U	0.048	0.047	U	0.047	0.044	U	0.044	0.045	U	0.045	0.046	U	0.048	0.043	U	0.043	0.048	U	0.048
Anthracene	100	0.049	U	0.049	0.048	U	0.048	0.045	U	0.045	0.046	U	0.046	0.047	U	0.049	0.044	U	0.044	0.050	U	0.050
Benzol[anthracene	1	0.0028	U	0.0028	0.0028	U	0.0028	0.0026	U	0.0026	0.0027	U	0.0027	0.0027	U	0.0028	0.0025	U	0.0025	0.0028	U	0.0028
Benzol[a]pyrene	1	0.0029	U	0.0029	0.0028	U	0.0028	0.0026	U	0.0026	0.0027	U	0.0027	0.0027	U	0.0029	0.0026	U	0.0026	0.0029	U	0.0029
Benzol[b]fluoranthene	1	0.0026	U	0.0026	0.0025	U	0.0025	0.0024	U	0.0024	0.0024	U	0.0024	0.0024	U	0.0026	0.0023	U	0.0023	0.0026	U	0.0026
Benzol[g,h,i]perylene	100	0.030	U	0.030	0.029	U	0.029	0.028	U	0.028	0.028	U	0.028	0.029	U	0.030	0.027	U	0.027	0.030	U	0.030
Benzol[k]fluoranthene	3.9	0.0031	U	0.0031	0.0030	U	0.0030	0.0028	U	0.0028	0.0029	U	0.0029	0.0029	U	0.0031	0.0028	U	0.0028	0.0031	U	0.0031
Chrysene	3.9	0.047	U	0.047	0.046	U	0.046	0.044	U	0.044	0.045	U	0.045	0.045	U	0.047	0.042	U	0.042	0.048	U	0.048
Dibenz[a,h]anthracene	0.33	0.0051	U	0.0051	0.0050	U	0.0050	0.0047	U	0.0047	0.0048	U	0.0048	0.0049	U	0.0051	0.0046	U	0.0046	0.0051	U	0.0051
Dibenzofuran	59	0.048	U	0.048	0.046	U	0.046	0.044	U	0.044	0.045	U	0.045	0.045	U	0.047	0.043	U	0.043	0.048	U	0.048
Fluoranthene	100	0.054	U	0.054	0.053	U	0.053	0.050	U	0.050	0.051	U	0.051	0.052	U	0.054	0.048	U	0.048	0.054	U	0.054
Fluorene	100	0.052	U	0.052	0.050	U	0.050	0.048	U	0.048	0.049	U	0.049	0.049	U	0.052	0.046	U	0.046	0.052	U	0.052
Hexachlorobenzene	1.2	0.0055	U	0.0055	0.0054	U	0.0054	0.0051	U	0.0051	0.0052	U	0.0052	0.0053	U	0.0055	0.0050	U	0.0050	0.0056	U	0.0056
Indeno[1,2,3-cd]pyrene	0.5	0.0075	U	0.0075	0.0073	U	0.0073	0.0070	U	0.0070	0.0071	U	0.0071	0.0072	U	0.0075	0.0067	U	0.0067	0.0076	U	0.0076
m & p - Cresol	NA	0.069	U	0.069	0.067	U	0.067	0.064	U	0.064	0.065	U	0.065	0.066	U	0.069	0.062	U	0.062	0.069	U	0.069
Naphthalene	100	0.047	U	0.047	0.046	U	0.046	0.043	U	0.043	0.044	U	0.044	0.045	U	0.047	0.042	U	0.042	0.047	U	0.047
o-Cresol	100	0.069	U	0.069	0.067	U	0.067	0.064	U	0.064	0.065	U	0.065	0.066	U	0.069	0.062	U	0.062	0.069	U	0.069
Pentachlorophenol	6.7	0.12	U	0.12	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	0.11	U	0.11	0.12	U	0.12
Phenanthrene	100	0.052	U	0.052	0.050	U	0.050	0.048	U	0.048	0.049	U	0.049	0.049	U	0.052	0.046	U	0.046	0.052	U	0.052
Phenol	100	0.055	U	0.055	0.053	U	0.053	0.050	U	0.050	0.051	U	0.051	0.052	U	0.054	0.049	U	0.049	0.055	U	0.055
Pyrene	100	0.034	U	0.034	0.033	U	0.033	0.031	U	0.031	0.032	U	0.032	0.032	U	0.034	0.030	U	0.030	0.034	U	0.034
Total Conc	NA	0.0			0.0			0.0			0.0			0.0			0.0			0.0		

U : Indicates the analyte was analyzed for but not detected.



SUMMARY OF ANALYTICAL RESULTS: 460-57622-1

Client ID	NY 375-6.8(b)				Comp #1				Comp #2				Comp #3				Comp #4				Comp #5				Comp #6				Comp #7				Comp #8			
Lab Sample ID	& CP-51 T-1				460-57622-1				460-57622-2				460-57622-3				460-57622-4				460-57622-5				460-57622-6				460-57622-7				460-57622-8			
Sampling Date	Restricted Residential				06/10/2013 08:28:00				06/10/2013 08:47:00				06/10/2013 09:02:00				06/10/2013 09:22:00				06/10/2013 09:41:00				06/10/2013 10:09:00				06/10/2013 10:37:00				06/10/2013 11:06:00			
Matrix	Soil Cleanup				Soil				Soil				Soil				Soil				Soil				Soil				Soil				Soil			
Dilution Factor	1				1				1				1				1				1				1				1							
Criteria	mg/kg				mg/kg				mg/kg				mg/kg				mg/kg				mg/kg				mg/kg				mg/kg							
Unit	Result				Q				MDL				Result				Q				MDL				Result				Q				MDL			
GCSVOA-8081A-SOIL	Result				Q				MDL				Result				Q				MDL				Result				Q				MDL			
SOIL BY 8081A																																				
4,4'-DDD	13	0.0016	U	0.0016	0.0016	U	0.0016	0.0016	U	0.0016	0.0015	U	0.0015	0.0015	U	0.0015	0.0015	U	0.0015	0.0016	U	0.0016	0.0014	U	0.0014	0.0016	U	0.0016	0.0016	U	0.0016					
4,4'-DDE	8.9	0.0016	U	0.0016	0.0016	U	0.0016	0.0016	U	0.0016	0.0015	U	0.0015	0.0015	U	0.0015	0.0015	U	0.0015	0.0016	U	0.0016	0.0014	U	0.0014	0.0016	U	0.0016	0.0016	U	0.0016					
4,4'-DDT	7.9	0.0020	U	0.0020	0.0019	U	0.0019	0.0019	U	0.0019	0.0018	U	0.0018	0.0018	U	0.0018	0.0018	U	0.0018	0.0020	U	0.0020	0.0017	U	0.0017	0.0020	U	0.0020	0.0020	U	0.0020					
Aldrin	0.097	0.0017	U	0.0017	0.0017	U	0.0017	0.0017	U	0.0017	0.0016	U	0.0016	0.0016	U	0.0016	0.0016	U	0.0016	0.0017	U	0.0017	0.0015	U	0.0015	0.0017	U	0.0017	0.0018	U	0.0018					
alpha-BHC	0.48	0.0018	U	0.0018	0.0018	U	0.0018	0.0018	U	0.0018	0.0017	U	0.0017	0.0017	U	0.0017	0.0018	U	0.0018	0.0018	U	0.0018	0.0016	U	0.0016	0.0018	U	0.0018	0.0018	U	0.0018					
beta-BHC	0.36	0.0020	U	0.0020	0.0019	U	0.0019	0.0019	U	0.0019	0.0018	U	0.0018	0.0018	U	0.0018	0.0019	U	0.0019	0.0020	U	0.0020	0.0017	U	0.0017	0.0020	U	0.0020	0.0020	U	0.0020					
Chlordane (alpha)	4.2	0.0016	U	0.0016	0.0016	U	0.0016	0.0016	U	0.0016	0.0015	U	0.0015	0.0015	U	0.0015	0.0015	U	0.0015	0.0016	U	0.0016	0.0014	U	0.0014	0.0016	U	0.0016	0.0016	U	0.0016					
delta-BHC	100	0.0015	U	0.0015	0.0015	U	0.0015	0.0014	U	0.0014	0.0014	U	0.0014	0.0014	U	0.0014	0.0014	U	0.0014	0.0015	U	0.0015	0.0013	U	0.0013	0.0015	U	0.0015	0.0015	U	0.0015					
Dieldrin	0.2	0.0015	U	0.0015	0.0015	U	0.0015	0.0014	U	0.0014	0.0014	U	0.0014	0.0014	U	0.0014	0.0014	U	0.0014	0.0015	U	0.0015	0.0037	J p	0.0013	0.0015	U	0.0015	0.0015	U	0.0015					
Endosulfan I	24	0.0018	U	0.0018	0.0018	U	0.0018	0.0018	U	0.0018	0.0017	U	0.0017	0.0017	U	0.0017	0.0018	U	0.0018	0.0018	U	0.0018	0.0024	J p	0.0016	0.0018	U	0.0018	0.0018	U	0.0018					
Endosulfan II	24	0.0016	U	0.0016	0.0016	U	0.0016	0.0016	U	0.0016	0.0015	U	0.0015	0.0015	U	0.0015	0.0016	U	0.0016	0.0016	U	0.0016	0.0014	U	0.0014	0.0016	U	0.0016	0.0016	U	0.0016					
Endosulfan sulfate	24	0.0016	U	0.0016	0.0016	U	0.0016	0.0016	U	0.0016	0.0015	U	0.0015	0.0015	U	0.0015	0.0016	U	0.0016	0.0016	U	0.0016	0.0014	U	0.0014	0.0016	U	0.0016	0.0016	U	0.0016					
Erdrin	11	0.0020	U	0.0020	0.0019	U	0.0019	0.0019	U	0.0019	0.0018	U	0.0018	0.0018	U	0.0018	0.0019	U	0.0019	0.0020	U	0.0020	0.0017	U	0.0017	0.0020	U	0.0020	0.0020	U	0.0020					
Heptachlor	2.1	0.0020	U	0.0020	0.0019	U	0.0019	0.0019	U	0.0019	0.0018	U	0.0018	0.0018	U	0.0018	0.0019	U	0.0019	0.0020	U	0.0020	0.0017	U	0.0017	0.0020	U	0.0020	0.0020	U	0.0020					
Lindane	1.3	0.0015	U	0.0015	0.0015	U	0.0015	0.0014	U	0.0014	0.0014	U	0.0014	0.0014	U	0.0014	0.0014	U	0.0014	0.0015	U	0.0015	0.0013	U	0.0013	0.0015	U	0.0015	0.0015	U	0.0015					

J p : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.



SUMMARY OF ANALYTICAL RESULTS: 460-57622-1

Client ID	NY 375-6.8(b)		Comp #1		Comp #2		Comp #3		Comp #4		Comp #5		Comp #6		Comp #7		Comp #8	
Lab Sample ID	& CP-51 T-1		460-57622-1		460-57622-2		460-57622-3		460-57622-4		460-57622-5		460-57622-6		460-57622-7		460-57622-8	
Sampling Date	Restricted Residential		06/10/2013 08:28:00		06/10/2013 08:47:00		06/10/2013 09:02:00		06/10/2013 09:22:00		06/10/2013 09:41:00		06/10/2013 10:09:00		06/10/2013 10:37:00		06/10/2013 11:06:00	
Matrix	Soil Cleanup		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Dilution Factor	Criteria		1		1		1		1		1		1		1		1	
Unit	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
GCSVOA-8082-SOIL	Result		Q	MDL	Result		Q	MDL	Result		Q	MDL	Result		Q	MDL	Result	
SOIL BY 8082																		
Aroclor 1016	NA	0.018	U	0.018	0.018	U	0.018	0.017	U	0.017	0.017	U	0.018	U	0.018	0.018	U	0.018
Aroclor 1221	NA	0.018	U	0.018	0.018	U	0.018	0.017	U	0.017	0.017	U	0.018	U	0.018	0.018	U	0.018
Aroclor 1232	NA	0.018	U	0.018	0.018	U	0.018	0.017	U	0.017	0.017	U	0.018	U	0.018	0.018	U	0.018
Aroclor 1242	NA	0.018	U	0.018	0.018	U	0.018	0.017	U	0.017	0.017	U	0.018	U	0.018	0.018	U	0.018
Aroclor 1248	NA	0.018	U	0.018	0.018	U	0.018	0.017	U	0.017	0.017	U	0.018	U	0.018	0.018	U	0.018
Aroclor 1254	NA	0.023	U	0.023	0.023	U	0.023	0.021	U	0.021	0.022	U	0.022	U	0.023	0.021	U	0.023
Aroclor 1260	NA	0.023	U	0.023	0.023	U	0.023	0.021	U	0.021	0.022	U	0.022	U	0.023	0.021	U	0.023
Aroclor 1262	NA	0.023	U	0.023	0.023	U	0.023	0.021	U	0.021	0.022	U	0.022	U	0.023	0.021	U	0.023
Aroclor 1268	NA	0.023	U	0.023	0.023	U	0.023	0.021	U	0.021	0.022	U	0.022	U	0.023	0.021	U	0.023
Polychlorinated biphenyls, Total	1	0.023	U	0.023	0.023	U	0.023	0.021	U	0.021	0.022	U	0.022	U	0.023	0.021	U	0.023

U : Indicates the analyte was analyzed for but not detected.



SUMMARY OF ANALYTICAL RESULTS: 460-57622-1

Client ID	NY 375-6.8(b)			Comp #1			Comp #2			Comp #3			Comp #4			Comp #5			Comp #6			Comp #7			Comp #8												
Lab Sample ID	& CP-51 T-1			460-57622-1			460-57622-2			460-57622-3			460-57622-4			460-57622-5			460-57622-6			460-57622-7			460-57622-8												
Sampling Date	Restricted Residential			06/10/2013 08:28:00			06/10/2013 08:47:00			06/10/2013 09:02:00			06/10/2013 09:22:00			06/10/2013 09:41:00			06/10/2013 10:09:00			06/10/2013 10:37:00			06/10/2013 11:06:00												
Matrix	Soil Cleanup			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil												
Dilution Factor	1			1			1			1			1			1			1			1			1												
Unit	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg												
GCSVOA-8151A-SOIL	Result			Q	MDL		Result			Q	MDL		Result			Q	MDL		Result			Q	MDL		Result			Q	MDL								
SOIL BY 8151A																																					
Silvex (2,4,5-TP)																																					
100				0.0023		U	0.0023		0.0022		U	0.0022		0.0021		U	0.0021		0.0021		U		0.0022		0.0023		U	0.0020		U	0.0020		0.0023		U	0.0023	

U : Indicates the analyte was analyzed for but not detected.

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SUMMARY OF ANALYTICAL RESULTS: 460-57622-1

Client ID	NY 375-6.8(b)			Comp #1			Comp #2			Comp #3			Comp #4			Comp #5			Comp #6			Comp #7			Comp #8					
Lab Sample ID	& CP-51 1-1			460-57622-1			460-57622-2			460-57622-3			460-57622-4			460-57622-5			460-57622-6			460-57622-7			460-57622-8					
Sampling Date	Restricted Residential			06/10/2013 08:28:00			06/10/2013 08:47:00			06/10/2013 09:02:00			06/10/2013 09:22:00			06/10/2013 09:41:00			06/10/2013 10:09:00			06/10/2013 10:37:00			06/10/2013 11:06:00					
Matrix	Soil Cleanup			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil					
Criteria																														
Unit	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg					
METALS SOIL	Result			Result			Result			Result			Result			Result			Result			Result			Result					
SOIL BY 6010B	Q			MDL			Q			MDL			Q			MDL			Q			MDL			Q			MDL		
Aluminum	NA	7100	B	20.3	5940	B	18.3	6210	B	14.5	12000	B	16.3	8280	B	17.5	13800	B	17.2	5000	B	15.1	9910	B	16.1	1	1			
Antimony	NA	1.4	U	1.4	1.2	U	1.2	0.99	U	0.99	1.1	U	1.1	1.2	U	1.2	1.2	U	1.2	1.0	U	1.0	1.1	U	1.1	1	1			
Arsenic	16	1.1		1.0	0.94	U	0.94	0.77	J	0.75	0.95		0.84	1.0	0.90	2.4	0.89	0.78	U			0.78	U	0.78	2.4	0.83				
Barium	400	38.1	J	1.3	28.9	J	1.1	42.1		0.91	55.2		1.0	39.1		1.1	69.5	1.1	38.2		0.95	56.2		1.0	0.13	0.13				
Beryllium	72	0.16	J	0.16	0.14	U	0.14	0.11	J	0.11	0.46		0.13	0.18	J	0.14	0.33	J	0.14	0.12	J	0.12	0.13	J	0.13	0.12	0.12			
Cadmium	4.3	0.16	U	0.16	0.15	U	0.15	0.12	U	0.12	0.13	U	0.13	0.14	U	0.14	0.14	U	0.14	0.12	U	0.12	0.13	U	0.13	0.13	0.13			
Calcium	NA	7070	B	78.9	5440	B	71.1	5480	B	56.5	6010	B	63.4	18700	B	68.0	23500	B	66.7	4990	B	58.8	10700	B	62.7	0.13	0.13			
Chromium	NA	15.6		0.96	15.0		0.86	16.8		0.69	21.5		0.77	18.7		0.83	25.4		0.71	15.7		0.71	24.7		0.76	0.76				
Cobalt	NA	9.3	J	0.95	8.7	J	0.86	8.9		0.68	12.4		0.76	10.5		0.82	16.3		0.75	11.8		0.71	11.8		0.75	0.75				
Copper	270	59.8		2.2	80.2		1.9	39.9		1.5	42.3		1.7	51.2		1.9	76.9		1.8	35.0		1.7	59.9		1.7	1.8				
Iron	NA	19000		13.5	16100		12.2	17600		9.7	24600		10.8	21300		11.6	33100		11.4	14700		10.1	25400		10.7	10.7	10.7			
Lead	400	3.5		0.96	2.5		0.86	2.7		0.69	5.1		0.77	4.4		0.83	7.7		0.81	1.5		0.71	4.7		0.76	0.76				
Magnesium	NA	6650		30.2	5990		22.3	5980		57.5	8750		64.5	10900		69.1	18100		67.8	5380		59.8	10600		60.3	60.3				
Manganese	2000	262		0.98	194		0.88	200		0.70	439		0.79	329		0.84	617		0.83	160		0.73	23.2		0.78	0.78				
Nickel	310	15.7		0.98	19.3		0.88	15.1		0.70	21.1		0.79	16.3		0.84	25.6		0.83	13.2		0.73	23.2		0.78	0.78				
Potassium	NA	2140		119	2160		108	2430		85.4	2790		95.9	1940		103	3070		101	2230		88.9	2930		94.8	94.8				
Selenium	180	1.5	U	1.5	1.3	U	1.3	1.1	U	1.1	1.2	U	1.2	1.3	U	1.3	1.2	U	1.2	1.0	U	1.0	1.1	U	1.1	1.1	1.1			
Silver	180	0.22	U	0.22	0.20	U	0.20	0.16	U	0.16	0.15	U	0.15	0.19	U	0.19	0.19	U	0.19	0.17	U	0.17	0.18	U	0.18	0.18	0.18			
Sodium	NA	281	J	176	241	J	159	259	J	126	287	J	142	392	J	152	847	J	149	155	J	131	535	J	140	140				
Thallium	NA	1.3	U	1.3	1.1	U	1.1	0.90	U	0.90	1.0	U	1.0	1.1	U	1.1	0.94	U	0.94	0.94	U	0.94	1.0	U	1.0	1.0	1.0			
Vanadium	NA	29.3		0.86	27.5		0.77	31.0		0.61	38.3		0.69	35.2		0.74	53.9		0.72	25.0		0.64	41.4		0.68	0.68				
Zinc	10000	30.0		1.2	26.7		1.1	25.5		0.86	36.7		0.97	33.9		1.0	56.9		1.0	20.7		0.90	41.8		0.96	0.96				
SOIL BY 7471A																														
Mercury	0.81	0.014	U	0.014	0.014	U	0.014	0.012	U	0.012	0.012	U	0.012	0.015	J	0.013	0.014	J	0.014	0.013	U	0.013	0.014	U	0.014	0.014	0.014			

Highlighted Concentrations shown in bold type face exceed limits
B : Compound was found in the blank and sample.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.



SUMMARY OF ANALYTICAL RESULTS: 460-57622-1

Client ID	NY 375-6.8(b)			Comp #1			Comp #2			Comp #3			Comp #4			Comp #5			Comp #6			Comp #7			Comp #8		
Lab Sample ID	& CP-51 T-1			460-57622-1			460-57622-2			460-57622-3			460-57622-4			460-57622-5			460-57622-6			460-57622-7			460-57622-8		
Sampling Date	Restricted Residential			06/10/2013 08:28:00			06/10/2013 08:47:00			06/10/2013 09:02:00			06/10/2013 09:22:00			06/10/2013 09:41:00			06/10/2013 10:09:00			06/10/2013 10:37:00			06/10/2013 11:06:00		
Matrix	Soil Cleanup			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil		
	Criteria																										
WETCHEM-SOIL																											
SOIL BY 7196A																											
Cr (III) (mg/kg)	180	15.6		1.1	15.0		1.0	16.8		0.97	21.5		0.99	16.7		1.0	25.4		1.1	15.7		0.94	24.7		1.1		
Cr (VI) (mg/kg)	110	0.60	U	0.60	0.61	U	0.61	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.61	U	0.61	0.54	U	0.54	0.62	U	0.62		
SOIL BY 9012A																											
Cyanide, Total (mg/kg)	NA	0.067	U	0.067	0.12		0.066	0.062	U	0.062	0.25		0.064	0.066	J	0.064	0.074	J	0.067	0.060	U	0.060	0.093	J	0.068		
SOIL BY 9045C																											
pH (su)	NA	8.04	HF		8.26	HF		8.31	HF		8.08	HF		8.07	HF		8.19	HF		8.33	HF		8.24	HF			

HF : Field parameter with a holding time of 15 minutes
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.