TABLES

TABLE 1

RI ANALYTICAL TESTING PROGRAM SUMMARY FOR SOIL & SEDIMENT

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Sample Identifier	Data Source	Drilling Method		Depth to (fbgs)			Depth Sampled (fbgs)	Analysis												Sampled (less QA/QC)	Laboratory Analytical Report No.	Date (Sampled or Advanced)	Validated	EQuIS	Comments
		Geoprobe	Hollow Stem Auger	Native	GW	TD		TCL + CP-51 VOCs	TCL VOCs	TCL SVOCs	TAL Metals (Total)	TCL PCBs	Pesticides	Herbicides	TCLP VOCs	TCLP Metals	Ignitability	Reactivity	Corrosivity						
Subsurface Soil/Fill (Soil Borings) & Sediment (Catch Basins)																									
BH-1 / TPMW1	LCS Phase II	x		0.8	3.0	16.0	0.8 - 4.0		X												NA	05/07/2014	NA	NA	
BH-2	LCS Phase II	x		0.5	NA	8.4	NA														NA	05/07/2014	NA	NA	
BH-3 / TPMW2	LCS Phase II	x		1.0	5.0	18.5	6.0 - 8.0		X												NA	05/07/2014	NA	NA	
BH-4 / TPMW3	LCS Phase II	x		1.0	4.5	18.4	12.0 - 14.0		X												NA	05/07/2014	NA	NA	
BH-5	LCS Phase II	x		1.0	6.0	16.0	NA														NA	05/07/2014	NA	NA	
BH-6 / TPMW4	LCS Phase II	x		1.0	6.0	16.0	2.0 - 4.0		X												NA	05/07/2014	NA	NA	
BH-7 / TPMW5	LCS Phase II	x		0.6	5.0	16.0	0.5 - 2.0		X												NA	05/07/2014	NA	NA	
BH-8 / TPMW6	LCS Phase II	x		0.6	5.0	16.0	0.5 - 2.0		X												NA	05/07/2014	NA	NA	
BH-9	LCS Phase II	x		0.6	NA	16.0	NA														NA	05/07/2014	NA	NA	
SB-1	BMTK Supp. Phase II	x		na	NA	2.0	1.5 - 2.0		X											X	L1410959	05/20/2014	03/31/2015	04/15/2015	
SB-2	BMTK Supp. Phase II	x		na	NA	2.5	1.0 - 2.5		X											X	L1410959	05/20/2014	03/31/2015	04/15/2015	
SB-3	BMTK Supp. Phase II	x		na	NA	3.0	2.5 - 3.0		X											X	L1410959	05/20/2014	03/31/2015	04/15/2015	
SB-4	BMTK Supp. Phase II	x		na	NA	3.0	2.5 - 3.0		X											X	L1410959	05/20/2014	03/31/2015	04/15/2015	
SB-5	BMTK Supp. Phase II	x		na	NA	3.0	2.5 - 3.0		X											X	L1410959	05/20/2014	03/31/2015	04/15/2015	
SB-6	BMTK Supp. Phase II	x		na	NA	3.0	2.5 - 3.0		X											X	L1410959	05/20/2014	03/31/2015	04/15/2015	
B-1 (SJB-6)	Remedial Investigation		x	2.0	9.0	22.5	0.3 - 2.0	X												X	L1427049	11/10/2014	03/31/2015	04/15/2015	
B-2 (SJB-8)	Remedial Investigation		x	0.3	4.0	16.2	NA														NA	11/10/2014	NA	NA	
B-3 (SJB-7)	Remedial Investigation		x	0.3	15.0	18.4	2.0 - 4.0								X	X	X	X	X	X	L1427155	11/11/2014	03/31/2015	04/15/2015	waste characterization for Vault Area
B-4 (SJB-5)	Remedial Investigation		x	0.3	9.0	17.4	2.0 - 4.0																03/31/2015	04/15/2015	
B-5 (SJB-4)	Remedial Investigation		x	0.3	16.0	21.0	0.4 - 4.0	X		X	X	X	X	X						X	L1427154	11/11/2014	03/31/2015	04/15/2015	MS/MSD
B-6	Remedial Investigation	x		0.3	3.5	10.0	4.0 - 8.0	X		X	X	X								X	L1430017	12/12/2014	03/31/2015	04/15/2015	
B-7	Remedial Investigation	x		0.4	NA	10.0	8.0 - 10.0	X		X	X	X								X	L1430017	12/12/2014	03/31/2015	04/15/2015	
B-8	Remedial Investigation	x		0.4	NA	11.5	9.5 - 11.5	X		X	X	X								X	L1430017	12/12/2014	03/31/2015	04/15/2015	
B-9	Remedial Investigation	x		0.3	NA	9.5	4.0 - 8.0	X		X	X	X								X	L1430017	12/12/2014	03/31/2015	04/15/2015	
B-10	Remedial Investigation	x		0.3	NA	7.0	5.0 - 7.0	X		X	X	X								X	L1430017	12/12/2014	03/31/2015	04/15/2015	
B-11	Remedial Investigation	x		0.3	4.0	9.5	2.0 - 4.0	X		X	X	X								X	L1430017	12/12/2014	03/31/2015	04/15/2015	
B-12	Remedial Investigation	x		0.3	4.0	10.0	2.0 - 4.0	X		X	X	X								X	L1430177	12/15/2014	03/31/2015	04/15/2015	
B-13	Remedial Investigation	x		0.4	NA	11.0	1.0 - 4.0	X		X	X	X								X	L1430177	12/15/2014	03/31/2015	04/15/2015	
B-14	Remedial Investigation	x		0.4	NA	11.0	1.0 - 4.0	X		X	X	X	X	X						X	L1430177	12/15/2014	03/31/2015	04/15/2015	
B-15	Remedial Investigation	x		0.3	1.0	11.0	4.0 - 8.0	X		X	X	X								X	L1430177	12/15/2014	03/31/2015	04/15/2015	MS/MSD
B-16	Remedial Investigation	x		0.4	6.0	6.0	4.0 - 6.0	X		X	X	X								X	L1430177	12/15/2014	03/31/2015	04/15/2015	inside building
B-17	Remedial Investigation	x		0.4	6.0	7.0	4.0 - 6.0	X		X	X	X								X	L1430177	12/15/2014	03/31/2015	04/15/2015	inside building
B-18	Remedial Investigation	x		0.4	4.0	10.5	4.0 - 6.0	X		X	X	X								X	L1430177	12/15/2014	03/31/2015	04/15/2015	inside building
B-19	Remedial Investigation	x		0.0	8.0	16.0	2.0 - 4.0	X		X	X	X								X	L1431379	12/30/2014	03/31/2015	04/15/2015	inside building
B-20	Remedial Investigation	x		0.0	8.0	16.0	2.0 - 4.0	X		X	X	X								X	L1431379	12/30/2014	03/31/2015	04/15/2015	inside building
B-21	Remedial Investigation	x		0.0	10.0	16.0	3.5 - 4.5	X		X	X	X								X	L1431379	12/30/2014	03/31/2015	04/15/2015	inside building
B-22	Remedial Investigation	x		0.3	8.0	10.0	1.0 - 3.0	X		X	X	X								X	L1430177	12/15/2014	03/31/2015	04/15/2015	
B-23	Remedial Investigation		x	0.6	2.0	17.3	2.0 - 4.0	X		X	X	X								X	L1500088	01/05/2015	03/31/2015	04/15/2015	completed between B-3 and B-4 for total constituents
B-24	Remedial Investigation	x		0.0	8.0	15.0	2.0 - 4.0	X		X	X	X								X	L1431379	12/30/2014	03/31/2015	04/15/2015	inside building
B-25	Remedial Investigation	x		0.0	8.0	16.0	4.0 - 5.0	X		X	X	X								X	L1431379	12/30/2014	03/31/2015	04/15/2015	inside building
MW-1A	Remedial Investigation		x	NA	NA	11.0	NA														NA	12/22/2014	NA	NA	
MW-1B	Remedial Investigation		x	0.3	2.0	23.0	2.0 - 4.0	X		X	X	X								X	L1430926	12/22/2014	03/31/2015	04/15/2015	
MW-2A	Remedial Investigation		x	NA	NA	16.0	NA														NA	12/23/2014	NA	NA	
MW-2B	Remedial Investigation		x	0.4	2.0	25.0	12.0 - 14.0	X		X	X	X								X	L1431081	12/23/2014	03/31/2015	04/15/2015	
MW-3A	Remedial Investigation		x	NA	NA	16.0	NA														NA	12/24/2014	NA	NA	
MW-3B	Remedial Investigation		x	0.0	2.0	25.0	12.0 - 14.0	X		X	X	X								X	L1431129	12/24/2014	03/31/2015	04/15/2015	
MW-4A	Remedial Investigation		x	0.6	5.0	20.0	10.0 - 18.0	X		X	X	X								X	L1431383	12/30/2014	03/31/2015	04/15/2015	
MW-5A	Remedial Investigation		x	0.3	11.0	22.0	12.0 - 22.0	X		X	X	X								X	L1431383	12/30/2014	03/31/2015	04/15/2015	
SED-1	Remedial Investigation		x	NA	NA	NA	NA	X		X	X	X								X	L1430926	12/22/2014	03/31/2015	04/15/2015	
SED-2	Remedial Investigation		x	NA	NA	NA	NA	X		X	X	X								X	L1431081	12/23/2014	03/31/2015	04/15/2015	Resample for SVOCS, TAL Metals, & TCL PCBs - exceeded holding time (L1501408)
QA/QC Samples																									
B-5 (MS/MSD)	Remedial Investigation		x	0.3	16.0	21.0	0.4 - 4.0	X		X	X	X	X	X							L1427154	11/11/2014	03/31/2015	04/15/2015	
B-15 (MS/MSD)	Remedial Investigation		x	0.3	1.0	11.0	4.0 - 8.0	X		X	X	X									L1430177	12/15/2014	03/31/2015	04/15/2015	
SED-1 (MS/MSD)	Remedial Investigation	NA	NA	NA	NA	NA	NA	X		X	X	X									L1430926	12/22/2014	03/31/2015	04/15/2015	
Blind Dup #1	Remedial Investigation		x	0.3	NA	9.5	4.0 - 8.0	X		X	X	X	X	X							L1430017	12/12/2014	03/31/2015	04/15/2015	TAKEN FROM BORING B-9
Blind Dup #2	Remedial Investigation		x	0.4	NA	11.0	1.0 - 4.0	X		X	X	X									L1430177	12/15/2014	03/31/2015	04/15/2015	TAKEN FROM BORING B-13
Blind Dup #3	Remedial Investigation	NA	NA	NA	NA	NA	NA	X		X	X	X									L1430926	12/22/2014	03/31/2015	04/15/2015	TAKEN FROM SED-1
RI/Supplemental Soil Totals:							*NA*	*NA*	*29*	*6*	*28*	*28*	*28*	*2*	*2*	*1*	*1*	*1*	*1*	*1*	*36*				
RI/Supplemental Soil MS/MSD:							*NA*	*NA*	*3*	*0*	*3*	*3*	*3*	*1*	*1*	*0*	*0*	*0*	*0*	*0*	*NA*				
RI/Supplemental Soil Blind Duplicates:							*NA*	*NA*	*3*	*0*	*3*	*3*	*3*	*1*	*1*	*0*	*0*	*0*	*0*	*0*	*NA*				
BCP Site Totals:							*NA*	*NA*	**35**		**28**	**28**	**28**	**2**	**2**	**1**	**1**	**1**	**1**	**1**	**36**				
BCP Site MS/MSD Coverage:							*NA*	*NA*	**60**		**60**	**60**	**60**	**20**	**20**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**				
BCP Site BD Coverage:							*NA*	*NA*	**60**		**60**	**60**	**60**	**20**	**20**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**				

TABLE 2

RI ANALYTICAL TESTING PROGRAM SUMMARY FOR GROUNDWATER & STORM WATER

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Sample Identifier	Data Source	Depth to (fbgs)			Depth Sampled/ Screened (fbgs)	Analysis								Sampled (less QA/QC)	Laboratory Analytical Report No.	Date (Sampled or Advanced)	Validated	EQuIS	Comments
		Native	GW	TD		TCL + STARS VOCs	TCL VOCs	TCL SVOCs	TAL Metals (Total)	TAL Metals (Diss.)	TCL PCBs	Pesticides	Herbicides						
Temporary Wells																			
BH-1 / TPMW1	LCS Phase II	0.8	5.0	16.0	4.9 - 16.0		X									05/07/2014			
BH-3 / TPMW2	LCS Phase II	1.0	12.0	18.5	5.9 - 18.2		X									05/07/2014			
BH-4 / TPMW3	LCS Phase II	1.0	4.5	18.4	7.9 - 18.4		X									05/08/2014			
BH-6 / TPMW4	LCS Phase II	1.0	6.0	16.0	4.9 - 18.5		X									05/08/2014			
BH-7 / TPMW5	LCS Phase II	0.6	5.0	16.0	4.9 - 16.0		X									05/08/2014			
BH-8 / TPMW6	LCS Phase II	0.6	5.0	16.0	4.9 - 16.0		X									05/08/2014			
BH-10 / TPMW-7	TurnKey Phase II	0.5	8.5	10.0	5.0 - 10.0		X							X	L1411100	05/22/2014	03/31/2015	04/15/2015	
BH-11 / TPMW-8	TurnKey Phase II	0.5	14.0	15.0	10.0 - 15.0		X							X	L1411100	05/22/2014	03/31/2015	04/15/2015	
BH-12 / TPMW-9	TurnKey Phase II	0.5	5.0	14.0	9.0 - 14.0		X							X	L1411100	05/22/2014	03/31/2015	04/15/2015	
BH-13 / TPMW-10	TurnKey Phase II	0.5	5.0	15.0	5.0 - 15.0		X							X	L1411100	05/22/2014	03/31/2015	04/15/2015	
BH-14 / TPMW-11	TurnKey Phase II	0.5	5.0	15.0	10.0 - 15.0		X							X	L1411100	05/22/2014	03/31/2015	04/15/2015	
Monitoring Wells (Round 1)																			
MW-1A	Remedial Investigation	na	na	na	3.0 - 11.0	X		X	X		X	X	X		L1500729	01/12/2015	03/31/2015	04/15/2015	
MW-1B (MS/MSD)	Remedial Investigation	na	na	na	13.0 - 23.0	X		X	X	X	X	X	X		L1500729	01/12/2015	03/31/2015	04/15/2015	
MW-2A	Remedial Investigation	na	na	na	6.0 - 16.0	X		X	X		X	X	X		L1500729	01/12/2015	03/31/2015	04/15/2015	
MW-2B	Remedial Investigation	na	na	na	18.0 - 25.0	X		X	X		X	X	X		L1500729	01/12/2015	03/31/2015	04/15/2015	
MW-3A	Remedial Investigation	na	na	na	6.0 - 16.0	X		X	X	X	X	X	X		L1500729	01/13/2015	03/31/2015	04/15/2015	
MW-3B	Remedial Investigation	na	na	na	18.0 - 25.0	X		X	X	X	X	X	X		L1500729	01/13/2015	03/31/2015	04/15/2015	
MW-4A	Remedial Investigation	na	na	na	5.0 - 20.0	X		X	X	X	X	X	X		L1500729	01/12/2015	03/31/2015	04/15/2015	
MW-5A	Remedial Investigation	na	na	na	7.0 - 22.0	X		X	X	X	X	X	X		L1500729	01/12/2015	03/31/2015	04/15/2015	
CB-3	Remedial Investigation	na	na	na	na	X									L1500729	01/12/2015	03/31/2015	04/15/2015	
Blind Dup #1	Remedial Investigation	na	na	na	18.0 - 25.0	X		X	X		X	X	X		L1500729	01/12/2015	03/31/2015	04/15/2015	Taken from MW-2B
Blind Dup #2	Remedial Investigation	na	na	na	6.0 - 16.0					X					L1500729	01/12/2015	03/31/2015	04/15/2015	Taken from MW-3A
Trip Blank	Remedial Investigation	na	na	na	na	X		X	X		X	X	X		L1500729	01/12/2015	03/31/2015	04/15/2015	
Equipment Blank	Remedial Investigation	na	na	na	na	X		X	X		X	X	X		L1500729	01/12/2015	03/31/2015	04/15/2015	
Monitoring Wells (Round 2)																			
MW-1A	Remedial Investigation	na	na	na	3.0 - 11.0	X									L1506003	03/25/2015	03/31/2015	04/15/2015	
MW-1B	Remedial Investigation	na	na	na	13.0 - 23.0	X									L1506003	03/25/2015	03/31/2015	04/15/2015	
MW-2A	Remedial Investigation	na	na	na	6.0 - 16.0	X									L1506003	03/25/2015	03/31/2015	04/15/2015	
MW-2B	Remedial Investigation	na	na	na	18.0 - 25.0	X									L1506003	03/25/2015	03/31/2015	04/15/2015	
MW-3A	Remedial Investigation	na	na	na	6.0 - 16.0	X									L1506003	03/25/2015	03/31/2015	04/15/2015	
MW-3B	Remedial Investigation	na	na	na	18.0 - 25.0	X									L1506003	03/25/2015	03/31/2015	04/15/2015	
MW-4A	Remedial Investigation	na	na	na	5.0 - 20.0	X									L1506003	03/25/2015	03/31/2015	04/15/2015	
MW-5A	Remedial Investigation	na	na	na	7.0 - 22.0	X									L1506003	03/25/2015	03/31/2015	04/15/2015	
Trip Blank	Remedial Investigation	na	na	na	na	X									L1506003	03/25/2015	03/31/2015	04/15/2015	
Equipment Blank	Remedial Investigation	na	na	na	na	X									L1506003	03/25/2015	03/31/2015	04/15/2015	
Storm Water																			
CB-3	Remedial Investigation	na	na	na	na	X									L1500729	01/12/2015	03/31/2015	04/15/2015	
					Groundwater Totals:	*18*	*11*	*8*	*8*	*5*	*8*	*8*	*8*	*5*					
					MS/MSD:	*1*	*0*	*1*	*1*	*0*	*1*	*1*	*1*	*NA*					
					Blind Duplicates:	*1*	*0*	*1*	*1*	*0*	*1*	*1*	*1*	*NA*					
					Equipment Blanks:	*2*	*0*	*1*	*1*	*0*	*1*	*1*	*1*	*NA*					
					Trip Blanks:	*2*	*0*	*1*	*1*	*0*	*1*	*1*	*1*	*NA*					

Notes:
1. Developed wells on 01/05/2015

TABLE 3

WELL CONSTRUCTION DETAILS

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Well I.D.	Northing	Easting	Ground Elevation (fmsl)	TOR Elevation (fmsl)	Install Date	Contractor	Total Depth		Screened Interval (fmsl)		Screen Length (feet)	Screened Interval (fbgs)		Riser / Screen Diam. (in.)	Riser / Screen Material	Screen Slot Size (in.)	Stratigraphic Unit Monitoring
							fbTOR	fbgs	top	bottom		top	bottom				
Temporary Monitoring Wells																	
TPMW-1	1021337.844	1102779.724	NA	NA	5/7/2014	Trec Environmental	NA	16.00	NA	NA	10	6.00	16.00	1	PVC/PVC	0.010	OB / R
TPMW-2	1021298.711	1102756.348	NA	NA	5/7/2014	Trec Environmental	NA	15.90	NA	NA	10	5.90	15.90	1	PVC/PVC	0.010	OB / R
TPMW-3	1021234.888	1102717.148	NA	NA	5/7/2014	Trec Environmental	NA	17.90	NA	NA	10	7.90	17.90	1	PVC/PVC	0.010	OB
TPMW-4	1021273.645	1102624.745	NA	NA	5/7/2014	Trec Environmental	NA	14.90	NA	NA	10	4.90	14.90	1	PVC/PVC	0.010	OB
TPMW-5	1021295.043	1102626.162	NA	NA	5/7/2014	Trec Environmental	NA	14.90	NA	NA	10	4.90	14.90	1	PVC/PVC	0.010	OB
TPMW-6	1021331.329	1102627.379	NA	NA	5/7/2014	Trec Environmental	NA	14.90	NA	NA	10	4.90	14.90	1	PVC/PVC	0.010	OB
TPMW-7	1021289.220	1102730.440	NA	NA	5/22/2014	Russo Development	NA	10.00	NA	NA	5	5.00	10.00	1	PVC/PVC	0.010	OB
TPMW-8	1021243.708	1102771.903	NA	NA	5/22/2014	Russo Development	NA	15.00	NA	NA	5	10.00	15.00	1	PVC/PVC	0.010	OB / R
TPMW-9	1021263.078	1102811.254	NA	NA	5/22/2014	Russo Development	NA	14.00	NA	NA	5	9.00	14.00	1	PVC/PVC	0.010	OB / R
TPMW-10	1021312.292	1102803.361	NA	NA	5/22/2014	Russo Development	NA	15.00	NA	NA	5	10.00	15.00	1	PVC/PVC	0.010	OB / R
TPMW-11	1021332.384	1102779.914	NA	NA	5/22/2014	Russo Development	NA	15.00	NA	NA	5	10.00	15.00	1	PVC/PVC	0.010	OB / R
Monitoring Wells																	
MW-1A	1021346.615	1102822.625	498.87	498.48	12/22/2014	Earth Dimensions	10.58	10.97	495.90	487.90	8	2.97	10.97	2	PVC/PVC	0.010	OB
MW-1B	1021350.415	1102822.679	498.85	498.38	12/22/2014	Earth Dimensions	22.03	22.50	486.35	476.35	10	12.50	22.50	2	PVC/PVC	0.010	R
MW-2A	1021288.183	1102826.354	499.24	498.47	12/23/2014	Earth Dimensions	14.90	15.67	493.57	483.57	10	5.67	15.67	2	PVC/PVC	0.010	OB
MW-2B	1021282.188	1102826.469	499.35	498.82	12/23/2014	Earth Dimensions	24.88	25.41	480.94	473.94	7	18.41	25.41	2	PVC/PVC	0.010	R
MW-3A	1021215.080	1102673.578	500.61	500.01	12/29/2014	Earth Dimensions	15.20	15.80	494.81	484.81	10	5.80	15.80	2	PVC/PVC	0.010	OB
MW-3B	1021214.960	1102676.556	500.67	500.30	12/29/2014	Earth Dimensions	25.18	25.55	482.12	475.12	7	18.55	25.55	2	PVC/PVC	0.010	R
MW-4A	1021397.528	1102630.542	499.41	498.73	12/31/2014	Earth Dimensions	19.30	19.98	494.43	479.43	15	4.98	19.98	2	PVC/PVC	0.010	OB
MW-5A	1021548.945	1102427.375	498.24	497.63	12/30/2014	Earth Dimensions	19.89	20.50	492.74	477.74	15	5.50	20.50	2	PVC/PVC	0.010	OB
MW-6	1021311.938	1102762.742	499.34	499.09	4/2/2015	Earth Dimensions	19.03	19.28	495.06	480.06	15	4.28	19.28	4	PVC/PVC	0.010	OB / R

Abbreviations:
DTW = depth to water
fbgs = feet below ground surface
fbTOR = feet below top of riser
fmsl = feet above mean sea level
OB: Indicates a well completed in shallow unconsolidated overburden
TOR = top of riser

Notes:
1. Elevations measured in feet; distance above mean sea level.
2. Assumed site datum of 500 fmsl at southeast corner of flower bed beneath main sign (see Figure 4).
3. Well locations (northing/easting) and elevation (site datum) surveyed by Benchmark TurnKey personnel on Febrary 16, 2015.

TABLE 4

GROUNDWATER & UNDERDRAIN SYSTEM ELEVATION SUMMARY

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Location	TOR Elevation[1]	Pipe Invert Elevation [2]	Ground Elevation [2]	February 16, 2015		March 25, 2015		April 6, 2015	
				DTW (fbTOR)	GWE [1] (fmsl)	DTW (fbTOR)	GWE [1] (fmsl)	DTW (fbTOR)	GWE [1] (fmsl)
Monitoring Wells									
MW-1A	498.48	--	498.87	2.15	496.33	1.65	496.83	3.51	494.97
MW-1B	498.38	--	498.85	4.35	494.03	3.65	494.73	3.65	494.73
MW-2A	498.47	--	499.24	4.20	494.27	4.08	494.39	3.32	495.15
MW-2B	498.82	--	499.35	4.73	494.09	4.02	494.80	4.07	494.75
MW-3A	500.01	--	500.61	6.11	493.90	5.36	494.65	5.41	494.60
MW-3B	500.30	--	500.67	6.34	493.96	5.61	494.69	5.71	494.59
MW-4A	498.73	--	499.41	6.59	492.14	5.94	492.79	5.99	492.74
MW-5A	497.63	--	498.24	3.47	494.16	1.11	496.52	2.49	495.14
MW-6	499.09	--	499.34	NA	NA	NA	NA	4.35	494.74
Underdrain Catch Basins									
CB-1	--	496.92	498.92	--	--			--	--
CB-2	--	495.55	497.55	--	--			--	--
CB-3	--	492.66	495.16	--	--			--	--
CB-4 [3,6]	--	493.06	497.66	--	--			--	--
CB-5	--	494.32	497.02	--	--			--	--
CB-6	--	495.16	497.31	--	--			--	--

Notes:

1. Top of Riser (TOR) elevation and Groundwater Elevation (GWE) are measured in feet; distance above mean sea level (fmsl). Elevations are based on an assumed datum of 500.00 fmsl.
2. Pipe inverts were manually measured from top of grate. Grade elevations were surveyed from the center of grate based on an assumed site datum of 500 fmsl.
3. A large hole was observed in the bottom of catch basin CB-4.
4. fbTOR = feet below top of riser or casing
5. fmsl = feet above mean sea level.
6. Bottom of hole in CB-4 is measured at 493.06 fbgs.

TABLE 5

SUMMARY OF SOIL ANALYTICAL RESULTS VS. UNRESTRICTED SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Compound	CasNum	NY-USCOs	Units	Location (depth), Sample Date, Lab Data Package No.															
				VAULT AREA															
				B-1 (0.3-2.0) 11/10/2014 L1427049-01	Qual	B-5 (0.4-4.0) 11/11/2014 L1427154-01	Qual	B-6 (4-8) 12/12/2014 L1430017-01	Qual	B-7 (8-10) 12/12/2014 L1430017-02	Qual	B-8 (9.5-11.5) 12/12/2014 L1430017-05	Qual	B-9 (4-8) 12/12/2014 L1430017-03	Qual	B-10 (5-7) 12/12/2014 L1430017-06	Qual	B-11 (2-4) 12/12/2014 L1430017-07	Qual	B-12 (2-4) 12/15/2014 L1430177-01	Qual	B-13 (1-4) 12/15/2014 L1430177-02	Qual	B-14 (1-4) 12/15/2014 L1430177-04	Qual
Volatile Organics by 8260/5035 - Westborough Lab																							
1,2,3-Trichlorobenzene	87-61-6		mg/kg	0.26	U	0.45	U	0.55	UJ	0.0086	UJ	0.0048	UJ	0.0047	UJ	0.0044	UJ	0.0048	UJ	0.0064	UJ	0.0071	UJ	0.0057	UJ
1,2,4-Trimethylbenzene	95-63-6	**3.6**	mg/kg	**0.27**		0.45	U	0.55	U	0.0086	U	0.0048	U	0.0047	U	0.0044	U	0.0048	U	**0.00062**	**J**	0.0071	U	0.0057	U
1,2-Dichlorobenzene	95-50-1	**1.1**	mg/kg	0.26	U	0.45	U	0.55	U	0.0086	U	0.0048	U	0.0047	U	0.0044	U	0.0048	U	0.0064	U	0.0071	U	0.0057	U
1,3,5-Trimethylbenzene	108-67-8	**8.4**	mg/kg	**0.13**	**J**	0.45	U	0.55	U	0.0086	U	0.0048	U	0.0047	U	0.0044	U	0.0048	U	0.0064	U	0.0071	U	0.0057	U
2-Butanone (MEK)	78-93-3	**0.12**	mg/kg	**0.58**		0.91	U	1.1	U	0.017	U	0.0096	U	0.0094	U	0.0089	U	0.0096	U	0.13	U	0.014	U	0.011	U
Acetone	67-64-1	**0.05**	mg/kg	**0.42**	**J**	0.91	U	1.1	U	**0.0055**	**J**	**0.0023**	**J**	0.0094	U	0.0089	U	**0.0099**		**0.0039**	**J**	**0.0069**	**J**	**0.0052**	**J**
Benzene	71-43-2	**0.06**	mg/kg	0.052	U	0.091	U	0.11	U	0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	**0.00032**	**J**	**0.0018**		0.0011	U
Bromomethane	74-83-9		mg/kg	**0.15**		0.18	U	0.22	U	0.0034	U	0.0019	U	0.0019	U	0.0018	U	0.0019	U	0.0025	U	0.0028	U	0.0023	U
Carbon disulfide	75-15-0		mg/kg	0.52	U	0.91	U	1.1	U	0.017	U	0.0096	U	0.0094	U	0.0089	U	0.0096	U	**0.0034**	**J**	0.014	U	0.011	U
Chloromethane	74-87-3		mg/kg	**0.11**	**J**	0.18	U	0.22	U	0.0034	U	0.0019	U	0.0047	U	0.0044	U	0.0048	U	0.0064	U	0.0071	U	0.0057	U
cis-1,2-Dichloroethene	156-59-2	**0.25**	mg/kg	0.052	U	0.091	U	**2.4**		0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	**0.00078**	**J**	0.0014	U	0.0011	U
Cyclohexane	110-82-7		mg/kg	**0.78**	**J**	1.8	U	2.2	U	0.034	U	0.019	U	0.019	U	0.018	U	0.019	U	**0.0011**	**J**	**0.00099**	**J**	0.023	U
Ethylbenzene	100-41-4	**1**	mg/kg	**0.044**	**J**	0.091	U	0.11	U	0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
Isopropylbenzene	98-82-8		mg/kg	**0.026**	**J**	0.091	U	0.11	U	0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
Methyl cyclohexane	108-87-2		mg/kg	**1.9**		**0.21**	**J**	**0.063**	**J**	0.0069	U	0.0038	U	0.0038	U	0.0035	U	0.019	U	**0.0022**	**J**	**0.0028**	**J**	**0.00083**	**J**
Methylene chloride	75-09-2	**0.05**	mg/kg	0.52	U	0.91	U	1.1	U	0.017	U	0.0096	U	0.0094	U	0.0089	U	0.0096	U	0.013	U	0.014	U	0.011	U
n-Butylbenzene	104-51-8	**12**	mg/kg	**0.036**	**J**	0.091	U	0.11	U	0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
n-Propylbenzene	103-65-1	**3.9**	mg/kg	**0.055**		0.091	U	0.11	U	0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
p-Isopropyltoluene (p-Cymene)	99-87-6		mg/kg	**0.015**	**J**	0.091	U	0.11	U	0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
sec-Butylbenzene	135-98-8	**11**	mg/kg	**0.026**	**J**	0.091	U	0.11	U	0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
Tetrachloroethene	127-18-4	**1.3**	mg/kg	**0.1**		0.091	U	**0.67**		0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
Toluene	108-88-3	**0.7**	mg/kg	**0.08**		0.14	U	0.17	U	0.0026	U	0.0014	U	0.0014	U	0.0013	U	0.0014	U	0.0013	U	0.0021	U	0.0011	U
trans-1,2-Dichloroethene	156-60-5	**0.19**	mg/kg	0.077	U	0.14	U	**0.46**		0.0026	U	0.0014	U	0.0014	U	0.0013	U	0.0014	U	0.0019	U	0.0021	U	0.0017	U
Trichloroethene	79-01-6	**0.47**	mg/kg	0.052	U	0.091	U	**0.55**		0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
Xylene (total)	1330-20-7	**0.26**	mg/kg	**0.43**		0.18	U	0.22	U	0.0034	U	0.0019	U	**0.0019**		0.0018	U	0.0019	U	**0.00087**	**J**	0.0028	U	0.0023	U
Semivolatile Organics by GC/MS - Westborough Lab																							
2-Methylnaphthalene	91-57-6		mg/kg	-		0.22	U	0.25	U	0.24	U	0.21	U	0.24	U	0.22	U	0.24	U	**0.1**	**J**	0.22	U	0.25	U
Acenaphthene	83-32-9	**20**	mg/kg	-		**0.052**	**J**	0.16	U	0.16	U	0.14	U	0.16	U	0.15	U	0.16	U	0.14	U	0.15	U	0.17	U
Acenaphthylene	208-96-8	**100**	mg/kg	-		**0.043**	**NJ**	0.16	U	0.16	U	0.14	U	0.16	U	0.15	U	0.16	U	**0.058**	**J**	**0.11**	**J**	**0.2**	
Anthracene	120-12-7	**100**	mg/kg	-		**0.12**		0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	**0.053**	**J**	**0.1**	**J**	**0.12**	**J**
Benzo(a)anthracene	56-55-3	**1**	mg/kg	-		**0.17**		0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	**0.099**	**J**	**0.36**	**J**	**0.39**	
Benzo(a)pyrene	50-32-8	**1**	mg/kg	-		**0.14**	**J**	0.16	U	0.16	U	0.14	U	0.16	U	0.15	U	0.16	U	**0.1**	**J**	**0.3**	**J**	**0.48**	
Benzo(b)fluoranthene	205-99-2	**1**	mg/kg	-		**0.18**		0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	**0.15**		**0.45**	**J**	**0.68**	
Benzo(ghi)perylene	191-24-2	**100**	mg/kg	-		**0.074**	**J**	0.16	U	0.16	U	0.14	U	0.16	U	0.15	U	0.16	U	**0.069**	**J**	**0.16**		**0.38**	
Benzo(k)fluoranthene	207-08-9	**0.8**	mg/kg	-		**0.081**	**J**	0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	**0.048**	**J**	**0.16**		**0.21**	
Bis(2-ethylhexyl)phthalate	117-81-7		mg/kg	-		0.18	U	0.21	U	0.2	U	0.18	U	0.2	U	0.19	U	0.2	U	0.18	U	0.19	U	0.21	U
Butyl benzyl phthalate	85-68-7		mg/kg	-		0.18	U	0.21	U	0.2	U	0.18	U	0.2	U	0.19	U	0.2	U	0.18	U	0.19	U	0.21	U
Carbazole	86-74-8		mg/kg	-		**0.043**	**J**	0.21	U	0.2	U	0.18	U	0.2	U	0.19	U	0.2	U	0.18	U	0.19	U	0.21	U
Chrysene	218-01-9	**1**	mg/kg	-		**0.16**		0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	**0.12**		**0.32**	**J**	**0.41**	
Dibenzo(a,h)anthracene	53-70-3	**0.33**	mg/kg	-		0.11	U	0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	0.11	U	**0.061**	**J**	**0.1**	**J**
Fluoranthene	206-44-0	**100**	mg/kg	-		**0.41**		0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	**0.22**	**NJ**	**0.56**	**J**	**0.68**	
Fluorene	86-73-7	**30**	mg/kg	-		**0.084**	**J**	0.21	U	0.2	U	0.18	U	0.2	U	0.19	U	0.2	U	**0.06**	**J**	0.19	U	0.21	U
Indeno(1,2,3-cd)pyrene	193-39-5	**0.5**	mg/kg	-		**0.078**	**J**	0.16	U	0.16	U	0.14	U	0.16	U	0.15	U	0.16	U	**0.073**	**J**	**0.19**		**0.44**	
Naphthalene	91-20-3	**12**	mg/kg	-		0.18	U	0.21	U	0.2	U	0.18	U	0.2	U	0.19	U	0.2	U	**0.18**	**U**	**0.19**	**U**	**0.21**	**U**
Phenanthrene	85-01-8	**100**	mg/kg	-		**0.42**		0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	**0.17**		**0.15**		**0.23**	
Pyrene	129-00-0	**100**	mg/kg	-		**0.31**		0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	**0.19**		**0.47**	**J**	**0.55**	
Total Metals - Westborough Lab																							
Aluminum, Total	7429-90-5		mg/kg	-		**12000**		**9900**		**9300**		**8200**		**10000**		**9400**		**8400**		**7800**		**19000**		**13000**	
Antimony, Total	7440-36-0		mg/kg	-		4.4	U	4.9	U	4.8	U	4.2	U	4.7	U	4.4	U	4.6	U	4.3	U	4.4	U	5	U
Arsenic, Total	7440-38-2	**13**	mg/kg	-		**6.7**		**11**		**8.8**		**4.4**		**10**		**12**		**7.3**		**10**		**6.2**	**J**	**8.6**	
Barium, Total	7440-39-3	**350**	mg/kg	-		**74**		**43**		**29**		**26**		**70**		**140**		**65**		**46**		**140**		**92**	
Beryllium, Total	7440-41-7	**7.2**	mg/kg	-		**2.2**		**0.44**	**J**	**0.39**	**J**	**0.34**	**J**	**0.43**	**J**	**0.44**		**0.59**		**0.82**		**2.9**		**1.9**	
Cadmium, Total	7440-43-9	**2.5**	mg/kg	-		0.87	U	0.98	U	0.95	U	**0.16**	**J**	0.94	U	0.87	U	0.92	U	**0.52**	**J**	**0.1**	**J**	**0.22**	**J**

TABLE 5

SUMMARY OF SOIL ANALYTICAL RESULTS VS. UNRESTRICTED SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Compound	CasNum	NY-USCOs	Units	Location (depth), Sample Date, Lab Data Package No.																			
				VAULT AREA																			
				B-1 (0.3-2.0) 11/10/2014 L1427049-01	Qual	B-5 (0.4-4.0) 11/11/2014 L1427154-01	Qual	B-6 (4-8) 12/12/2014 L1430017-01	Qual	B-7 (8-10) 12/12/2014 L1430017-02	Qual	B-8 (9.5-11.5) 12/12/2014 L1430017-05	Qual	B-9 (4-8) 12/12/2014 L1430017-03	Qual	B-10 (5-7) 12/12/2014 L1430017-06	Qual	B-11 (2-4) 12/12/2014 L1430017-07	Qual	B-12 (2-4) 12/15/2014 L1430177-01	Qual	B-13 (1-4) 12/15/2014 L1430177-02	Qual	B-14 (1-4) 12/15/2014 L1430177-04	Qual
Calcium, Total	7440-70-2		mg/kg	-		71000	J	49000		46000		65000		41000		42000		2800		130000		72000	J	130000	
Chromium, Total	7440-47-3	30	mg/kg	-		11	J	16		17		16		17		17		13		10		11	J	11	
Cobalt, Total	7440-48-4		mg/kg	-		3.3	J	12		10		9.2		16	J	13		5.6		6.3		5		5	
Copper, Total	7440-50-8	50	mg/kg	-		16	J	31		29		22		30		30		34		24		16	J	19	
Iron, Total	7439-89-6		mg/kg	-		11000		22000		22000		20000		23000		25000		19000		15000		14000	J	15000	
Lead, Total	7439-92-1	63	mg/kg	-		14	J	10		8.6		4.8		8.1		9		13		39		17	J	16	
Magnesium, Total	7439-95-4		mg/kg	-		16000	J	7300		12000		10000		9400		9800		2500		9400		13000		12000	
Manganese, Total	7439-96-5	1,600	mg/kg	-		780		490		380		320		610	J	890		160		550		1100		810	
Mercury, Total	7439-97-6	0.18	mg/kg	-		0.3		0.03	J	0.03	J	0.07	U	0.03	J	0.02	J	0.02	J	0.03	J	0.02	J	0.04	J
Nickel, Total	7440-02-0	30	mg/kg	-		11	J	27		27		27		34		35		24		23		13	J	16	
Potassium, Total	7440-09-7		mg/kg	-		710		940		1000		820		910		940		290		890		1100		750	
Selenium, Total	7782-49-2	3.9	mg/kg	-		0.56	J	2	U	0.34	J	1.7	U	1.9	U	0.36	J	1.8	U	0.42	J	0.8	J	0.78	J
Silver, Total	7440-22-4	2	mg/kg	-		0.87	U	0.2	J	0.95	U	0.2	J	0.94	U	0.2	J	0.92	U	0.87	U	0.88	U	1	U
Sodium, Total	7440-23-5		mg/kg	-		1100		430		160	J	150	J	170	J	130	J	130	J	1300		1400		1000	
Thallium, Total	7440-28-0		mg/kg	-		1.7	UJ	2	U	1.9	U	1.7	U	1.9	U	1.7	U	0.45	J	1.7	U	1.8	U	2	U
Vanadium, Total	7440-62-2		mg/kg	-		9.9		19		18		16		19		19		22		15		12	J	13	
Zinc, Total	7440-66-6	109	mg/kg	-		38	J	66		63		78		63		68		62		67		52	J	54	
Organochlorine Pesticides by GC - Westborough Lab																							
4,4'-DDD	72-54-8	0.0033	mg/kg	-		0.00218		-		-		-		0.00186	U	-		-		-		-		0.00196	U
4,4'-DDE	72-55-9	0.0033	mg/kg	-		0.00197		-		-		-		0.00186	U	-		-		-		-		0.00196	U
Polychlorinated Biphenyls by GC - Westborough Lab																							
Aroclor 1254	11097-69-1	0.1	mg/kg	-		0.0362	UJ	0.0411	U	0.0382	U	0.0354	U	0.039	U	0.0368	U	0.0387	U	0.00651	J	0.0374	U	0.0416	U
Aroclor 1260	11096-82-5	0.1	mg/kg	-		0.0362	UJ	0.0411	U	0.0382	U	0.0354	U	0.039	U	0.0368	U	0.0387	U	0.0139	J	0.0374	U	0.0416	U
PCBs, Total	1336-36-3	0.1	mg/kg	-		0.0362	UJ	0.0411	U	0.0382	U	0.0354	U	0.039	U	0.0368	U	0.0387	U	0.0204	J	0.0374	U	0.0416	U

TABLE 5

SUMMARY OF SOIL ANALYTICAL RESULTS VS. UNRESTRICTED SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Compound	CasNum	NY-USCOs	Units	Location (depth), Sample Date, Lab Data Package No.											
					UNDER BUILDING								VAULT AREA	UNDER BUILDING	
				B-15 (4-8) 12/15/2014 L1430177-05	B-16 (4-6) 12/15/2014 L1430177-07	B-17 (4-6) 12/15/2014 L1430177-08	B-18 (4-6) 12/15/2014 L1430177-09	B-19 (2-4) 12/30/2014 L1431379-01	B-20 (2-4) 12/30/2014 L1431379-02	B-21 (3.5-4.5) 12/30/2014 L1431379-03	B-22 (1-3) 12/15/2014 L1430177-06	B-23 2-4' 1/5/2015 L1500088-01	B-24 (2-4) 12/30/2014 L1431379-04	B-25 (4-5) 12/30/2014 L1431379-05
				Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
Volatile Organics by 8260/5035 - Westborough Lab															
1,2,3-Trichlorobenzene	87-61-6		mg/kg	0.0052 UJ	0.01 U	0.0054 U	0.01 U	0.0052 U	0.0058 U	0.0049 U	0.011 U	0.008 U	0.28 U	0.0049 U
1,2,4-Trimethylbenzene	95-63-6	3.6	mg/kg	0.0052 U	**0.00049 J**	0.0054 U	**0.0035 J**	0.0052 U	0.0058 U	0.0049 U	0.011 U	0.008 U	0.28 U	0.0049 U
1,2-Dichlorobenzene	95-50-1	1.1	mg/kg	0.0052 U	0.01 U	0.0054 U	0.01 U	0.0052 U	0.0058 U	0.0049 U	0.011 U	0.008 U	0.28 U	0.0049 U
1,3,5-Trimethylbenzene	108-67-8	8.4	mg/kg	0.0052 U	0.01 U	0.0054 U	**0.0014 J**	0.0052 U	0.0058 U	0.0049 U	0.011 U	0.008 U	0.28 U	0.0049 U
2-Butanone (MEK)	78-93-3	0.12	mg/kg	0.01 U	0.02 U	**0.0034 J**	0.021 U	0.01 U	0.012 U	0.0097 U	0.022 U	0.016 U	0.28 U	0.0098 U
Acetone	67-64-1	0.05	mg/kg	**0.0067 J**	**0.0068 J**	**0.031**	**0.0049 J**	**0.015**	**0.0034 J**	**0.019**	0.022 U	**0.023**	0.57 U	**0.0072 J**
Benzene	71-43-2	0.06	mg/kg	0.001 U	0.002 U	0.0011 U	0.0021 U	0.001 U	0.0012 U	0.00097 U	0.0022 U	0.0016 U	0.057 U	0.00098 U
Bromomethane	74-83-9		mg/kg	0.0021 U	0.0041 U	0.0021 U	0.0042 U	0.0021 U	0.0023 U	0.0019 U	0.0044 U	0.0032 U	0.11 U	0.002 U
Carbon disulfide	75-15-0		mg/kg	0.01 U	0.02 U	0.011 U	0.021 U	0.01 U	0.012 U	0.0097 U	0.022 U	0.016 U	0.57 U	0.0098 U
Chloromethane	74-87-3		mg/kg	0.0052 U	0.01 U	0.0054 U	0.01 U	0.0052 U	0.0058 U	0.0049 U	0.011 U	0.008 U	0.28 U	0.0049 U
cis-1,2-Dichloroethene	156-59-2	0.25	mg/kg	**0.00054 J**	0.002 U	**0.00079 J**	**0.00053 J**	**0.00062 J**	**0.049**	**0.0085**	0.0022 U	**0.0022**	0.057 U	**0.0019**
Cyclohexane	110-82-7		mg/kg	0.021 U	**0.0032 J**	0.021 U	**0.0057 J**	0.021 U	0.023 U	0.019 U	0.044 U	0.032 U	1.1 U	0.02 U
Ethylbenzene	100-41-4	1	mg/kg	0.001 U	0.002 U	0.0011 U	0.0021 U	0.001 U	0.0012 U	0.00097 U	0.0022 U	0.0016 U	0.057 U	0.00098 U
Isopropylbenzene	98-82-8		mg/kg	0.001 U	0.002 U	0.0011 U	0.0021 U	0.001 U	0.0012 U	0.00097 U	0.0022 U	0.0016 U	0.057 U	0.00098 U
Methyl cyclohexane	108-87-2		mg/kg	**0.00097 J**	**0.0032 J**	0.0043 U	**0.021**	0.0042 U	0.0046 U	**0.00072 J**	0.0088 U	**0.00069 NJ**	0.23 U	0.0039 U
Methylene chloride	75-09-2	0.05	mg/kg	0.01 U	0.02 U	0.011 U	0.021 U	0.01 U	0.012 U	0.0097 U	0.022 U	0.016 U	0.57 U	0.0098 U
n-Butylbenzene	104-51-8	12	mg/kg	0.001 U	0.002 U	0.0011 U	0.0021 U	0.001 U	0.0012 U	0.00097 U	0.0022 U	0.0016 U	0.057 U	0.00098 U
n-Propylbenzene	103-65-1	3.9	mg/kg	0.001 U	0.002 U	0.0011 U	0.0021 U	0.001 U	0.0012 U	0.00097 U	0.0022 U	0.0016 U	0.057 U	0.00098 U
p-Isopropyltoluene (p-Cymene)	99-87-6		mg/kg	0.001 U	0.002 U	0.0011 U	0.0021 U	0.001 U	0.0012 U	0.00097 U	0.0022 U	0.0016 U	0.057 U	0.00098 U
sec-Butylbenzene	135-98-8	11	mg/kg	0.001 U	0.002 U	0.0011 U	0.0021 U	0.001 U	0.0012 U	0.00097 U	0.0022 U	0.0016 U	0.057 U	0.00098 U
Tetrachloroethene	127-18-4	1.3	mg/kg	0.001 U	0.002 U	0.0011 U	0.0021 U	0.001 U	0.0012 U	0.00097 U	0.0022 U	0.0016 U	**5.4**	0.00098 U
Toluene	108-88-3	0.7	mg/kg	0.0016 U	**0.00056 J**	0.0016 U	0.0031 U	0.0016 U	0.0017 U	0.0015 U	**0.00091 J**	0.0024 U	0.085 U	0.0015 U
trans-1,2-Dichloroethene	156-60-5	0.19	mg/kg	0.0016 U	0.0031 U	0.0016 U	0.0031 U	0.0016 U	**0.0065**	**0.0007 J**	0.0033 U	0.0024 U	0.085 U	0.0015 U
Trichloroethene	79-01-6	0.47	mg/kg	0.001 U	**0.0062**	0.0011 U	0.0021 U	0.001 U	0.0012 U	0.00097 U	0.0022 U	0.0016 U	**0.26**	0.00098 U
Xylene (total)	1330-20-7	0.26	mg/kg	0.0021 U	**0.0011 J**	0.0021 U	**0.00082 J**	0.0021 U	0.0023 U	0.0019 U	0.0044 U	0.0032 U	0.11 U	0.002 U
Semivolatile Organics by GC/MS - Westborough Lab															
2-Methylnaphthalene	91-57-6		mg/kg	0.25 U	0.23 U	0.22 U	0.22 U	0.24 U	0.24 U	0.23 U	0.24 U	0.22 U	0.22 U	0.24 U
Acenaphthene	83-32-9	20	mg/kg	0.17 U	0.15 U	0.15 U	0.15 U	0.16 U	0.16 U	0.15 U	0.16 U	0.15 U	0.15 U	0.16 U
Acenaphthylene	208-96-8	100	mg/kg	0.17 U	0.15 U	0.15 U	0.15 U	0.16 U	0.16 U	0.15 U	0.16 U	0.15 U	0.15 U	0.16 U
Anthracene	120-12-7	100	mg/kg	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U
Benzo(a)anthracene	56-55-3	1	mg/kg	0.12 U	**0.081 J**	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U
Benzo(a)pyrene	50-32-8	1	mg/kg	0.17 U	**0.074 J**	0.15 U	0.15 U	0.16 U	0.16 U	0.15 U	0.16 U	0.15 U	0.15 U	0.16 U
Benzo(b)fluoranthene	205-99-2	1	mg/kg	0.12 U	**0.095 J**	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U
Benzo(ghi)perylene	191-24-2	100	mg/kg	0.17 U	**0.044 J**	0.15 U	0.15 U	0.16 U	0.16 U	0.15 U	0.16 U	0.15 U	0.15 U	0.16 U
Benzo(k)fluoranthene	207-08-9	0.8	mg/kg	0.12 U	**0.039 J**	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U
Bis(2-ethylhexyl)phthalate	117-81-7		mg/kg	0.21 U	0.19 U	0.18 U	0.19 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	0.2 U
Butyl benzyl phthalate	85-68-7		mg/kg	0.21 U	0.19 U	0.18 U	0.19 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	**1.7**	0.2 U
Carbazole	86-74-8		mg/kg	0.21 U	0.19 U	0.18 U	0.19 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	0.2 U
Chrysene	218-01-9	1	mg/kg	0.12 U	**0.08 J**	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U
Dibenzo(a,h)anthracene	53-70-3	0.33	mg/kg	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U
Fluoranthene	206-44-0	100	mg/kg	0.12 U	**0.17**	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U
Fluorene	86-73-7	30	mg/kg	0.21 U	0.19 U	0.18 U	0.19 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	0.2 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	mg/kg	0.17 U	**0.05 J**	0.15 U	0.15 U	0.16 U	0.16 U	0.15 U	0.16 U	0.15 U	0.15 U	0.16 U
Naphthalene	91-20-3	12	mg/kg	0.21 U	0.19 U	0.18 U	0.19 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	0.2 U
Phenanthrene	85-01-8	100	mg/kg	0.12 U	**0.083 J**	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U
Pyrene	129-00-0	100	mg/kg	0.12 U	**0.13**	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U
Total Metals - Westborough Lab															
Aluminum, Total	7429-90-5		mg/kg	**10000 J**	**8200**	**8100**	**7800**	**11000**	**10000**	**10000**	**11000**	**9300**	**11000**	**12000**
Antimony, Total	7440-36-0		mg/kg	4.9 U	4.4 U	4.5 U	4.4 U	4.6 U	4.6 U	4.5 U	4.7 U	4.5 U	4.2 U	4.8 U
Arsenic, Total	7440-38-2	13	mg/kg	**19**	**6.5**	**13**	**11**	**15**	**17**	**8**	**16**	**12**	**13**	**13**
Barium, Total	7440-39-3	350	mg/kg	**130 J**	**48**	**28**	**47**	**66**	**51**	**36**	**41**	**46**	**33**	**66**
Beryllium, Total	7440-41-7	7.2	mg/kg	**0.46 J**	**0.72**	**0.55**	**0.39 J**	**0.49**	**0.45 J**	**0.37 J**	**1**	**0.44 J**	**0.45**	**0.56**
Cadmium, Total	7440-43-9	2.5	mg/kg	**0.14 J**	**0.14 J**	**0.15 J**	**0.28 J**	**0.11 J**	**0.13 J**	0.91 U	**0.18 J**	**0.14 J**	**0.12 J**	0.96 U

TABLE 5

SUMMARY OF SOIL ANALYTICAL RESULTS VS. UNRESTRICTED SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Compound	CasNum	NY-USCOs	Units	Location (depth), Sample Date, Lab Data Package No.																	
						UNDER BUILDING										VAULT AREA		UNDER BUILDING			
				B-15 (4-8) 12/15/2014 L1430177-05	Qual	B-16 (4-6) 12/15/2014 L1430177-07	Qual	B-17 (4-6) 12/15/2014 L1430177-08	Qual	B-18 (4-6) 12/15/2014 L1430177-09	Qual	B-19 (2-4) 12/30/2014 L1431379-01	Qual	B-20 (2-4) 12/30/2014 L1431379-02	Qual	B-21 (3.5-4.5) 12/30/2014 L1431379-03	Qual	B-22 (1-3) 12/15/2014 L1430177-06	Qual	B-23 2-4' 1/5/2015 L1500088-01	Qual	B-24 (2-4) 12/30/2014 L1431379-04	Qual	B-25 (4-5) 12/30/2014 L1431379-05	Qual
Calcium, Total	7440-70-2		mg/kg	41000	J	150000		2700		14000		2500		10000		1200		15000		16000		10000		20000	
Chromium, Total	7440-47-3	30	mg/kg	18		9.8		13		12		17		15		14		14		15		14		18	
Cobalt, Total	7440-48-4		mg/kg	19		3.6		7.5		8.3		11		11		4.8		8.1		8.6		7.4		8.4	
Copper, Total	7440-50-8	50	mg/kg	33		13		26		26		27		28		21		29		29		34		26	
Iron, Total	7439-89-6		mg/kg	25000	J	11000		19000		19000		22000		23000		16000		24000		18000		20000		22000	
Lead, Total	7439-92-1	63	mg/kg	13		13		19		10		9		10		7.4		22		12		8.2		7.3	
Magnesium, Total	7439-95-4		mg/kg	10000	J	14000		2900		4500		3900		4300		2300		5800		3400		3400		7000	
Manganese, Total	7439-96-5	1,600	mg/kg	1100	J	710		390		500		470		580		120		490		220		280		280	
Mercury, Total	7439-97-6	0.18	mg/kg	0.03	J	0.05	J	0.06	J	0.02	J	0.04	J	0.02	J	0.05	J	0.02	J	0.03	J	0.03	J	0.02	J
Nickel, Total	7440-02-0	30	mg/kg	39		10		22		25		34		29		20		21		26		24		23	
Potassium, Total	7440-09-7		mg/kg	1100		940		560		670		820		1300		890		700		1500		870		1600	
Selenium, Total	7782-49-2	3.9	mg/kg	2	U	1.8	U	0.32	J	1.7	U	1.8	U	1.8	U	0.32	J	0.61	J	1	J	1.7	U	1.9	U
Silver, Total	7440-22-4	2	mg/kg	0.98	U	0.89	U	0.9	U	0.87	U	0.2	J	0.26	J	0.36	J	0.94	U	0.2	J	0.27	J	0.32	J
Sodium, Total	7440-23-5		mg/kg	220		320		120	J	140	J	77	J	150	J	110	J	560		320		83	J	170	J
Thallium, Total	7440-28-0		mg/kg	2	UJ	1.8	U	1.8	U	1.7	U	1.8	U	1.8	U	1.8	U	1.9	U	1.8	U	1.7	U	1.9	U
Vanadium, Total	7440-62-2		mg/kg	19		12		19		17		19		20		23		21		20		19		22	
Zinc, Total	7440-66-6	109	mg/kg	67		58		64		56		68		66		60		69		58		75		67	
Organochlorine Pesticides by GC - Westborough Lab																									
4,4'-DDD	72-54-8	0.0033	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
4,4'-DDE	72-55-9	0.0033	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Polychlorinated Biphenyls by GC - Westborough Lab																									
Aroclor 1254	11097-69-1	0.1	mg/kg	0.0409	U	0.0373	U	0.0359	U	0.037	U	0.039	U	0.0382	U	0.0375	U	0.0381	U	0.0378	U	0.0359	U	0.0395	U
Aroclor 1260	11096-82-5	0.1	mg/kg	0.0409	U	0.0373	U	0.0359	U	0.037	U	0.039	U	0.0382	U	0.0375	U	0.0381	U	0.0378	U	0.0359	U	0.0395	U
PCBs, Total	1336-36-3	0.1	mg/kg	0.0409	U	0.0373	U	0.0359	U	0.037	U	0.039	U	0.0382	U	0.0375	U	0.0381	U	0.0378	U	0.0359	U	0.0395	U

TABLE 5

SUMMARY OF SOIL ANALYTICAL RESULTS VS. UNRESTRICTED SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Compound	CasNum	NY-USCOs	Units	Location (depth), Sample Date, Lab Data Package No.																	
														QA/QC						VAULT	
				MW-1B (2-4) 12/22/2014 L1430926-01	Qual	MW-2B (12-14) 12/23/2014 L1431081-02	Qual	MW-3B (12-14) 12/24/2014 L1431129-01	Qual	MW-4A 10-18' 12/31/2014 L1431383-02	Qual	MW-5A 12-22' 12/30/2014 L1431383-01	Qual	SED-1 12/22/2014 L1430926-02	Qual	SED-2 12/23/2014 L1431081-01	Qual	B-9 BLIND DUP #1 12/12/2014 L1430017-04	Qual	B-13 BLIND DUP #2 12/15/2014 L1430177-03	Qual	SED-1 BLIND DUP #3 12/22/2014 L1430926-03	Qual	BH-1 (0.8 - 4.0) 5/7/2014	Qual
Volatile Organics by 8260/5035 - Westborough Lab																					
1,2,3-Trichlorobenzene	87-61-6		mg/kg	0.24	U	0.0041	U	0.0056	U	0.007	U	0.0086	U	120	U	0.008	U	0.0047	UJ	0.0068	UJ	120	U	--	
1,2,4-Trimethylbenzene	95-63-6	3.6	mg/kg	**0.25**		0.0041	U	0.0056	U	0.007	U	0.0086	U	120	U	0.008	U	0.0047	U	0.0068	U	**0.7**	J	--	
1,2-Dichlorobenzene	95-50-1	1.1	mg/kg	0.24	U	0.0041	U	0.0056	U	0.007	U	0.0086	U	120	U	0.008	U	0.0047	U	0.0068	U	**0.89**	J	--	
1,3,5-Trimethylbenzene	108-67-8	8.4	mg/kg	**0.098**	J	0.0041	U	0.0056	U	0.007	U	0.0086	U	120	U	0.008	U	0.0047	U	0.0068	U	12	U	--	
2-Butanone (MEK)	78-93-3	0.12	mg/kg	0.49	U	0.0082	U	0.011	U	0.014	U	0.017	U	240	U	0.016	U	0.0095	U	0.014	U	25	U	1	U
Acetone	67-64-1	0.05	mg/kg	0.49	UJ	0.0082	U	**0.012**	J	**0.0057**	J	**0.015**	J	240	UJ	0.016	U	0.0095	U	**0.0082**	J	25	UJ	1	U
Benzene	71-43-2	0.06	mg/kg	0.049	U	0.00082	U	0.0011	U	0.0014	U	0.0017	U	25	U	0.0016	U	0.00095	U	**0.0029**		2.5	U	0.051	U
Bromomethane	74-83-9		mg/kg	0.098	U	0.0016	U	0.0022	U	0.0028	U	0.0035	U	50	U	0.0032	U	0.0019	U	0.0027	U	5	U	0.51	U
Carbon disulfide	75-15-0		mg/kg	0.49	U	0.0082	U	0.011	U	0.014	U	0.017	U	250	U	0.016	U	0.0095	U	0.014	U	25	U	0.51	U
Chloromethane	74-87-3		mg/kg	0.24	U	0.0041	U	0.0056	U	0.007	U	0.0086	U	120	U	0.008	U	0.0047	U	0.0068	U	5	U	0.51	U
cis-1,2-Dichloroethene	156-59-2	0.25	mg/kg	**0.068**		0.00082	U	0.0011	U	0.0014	U	0.0017	U	**280**	J	**0.03**		0.00095	U	0.0014	U	**160**	J	**0.215**	
Cyclohexane	110-82-7		mg/kg	**0.86**	J	0.016	U	0.022	U	0.028	U	0.035	U	500	U	0.032	U	0.0019	U	**0.002**	J	50	U	--	
Ethylbenzene	100-41-4	1	mg/kg	0.049	U	0.00082	U	0.0011	U	0.0014	U	0.0017	U	25	U	0.0016	U	0.00095	U	0.0014	U	2.5	U	0.21	U
Isopropylbenzene	98-82-8		mg/kg	**0.019**	J	0.00082	U	0.0011	U	0.0014	U	0.0017	U	25	U	0.0016	U	0.00095	U	0.0014	U	10	U	--	
Methyl cyclohexane	108-87-2		mg/kg	**2.8**		0.0033	U	0.0045	U	0.0056	U	0.0069	U	100	U	0.0064	U	0.0038	U	**0.0064**		25	U	--	
Methylene chloride	75-09-2	0.05	mg/kg	0.49	U	0.0082	U	0.011	U	0.014	U	0.017	U	250	U	0.016	U	0.0095	U	0.014	U	25	U	0.21	U
n-Butylbenzene	104-51-8	12	mg/kg	0.049	U	0.00082	U	0.0011	U	0.0014	U	0.0017	U	25	U	0.0016	U	0.00095	U	0.0014	U	2.5	U	--	
n-Propylbenzene	103-65-1	3.9	mg/kg	**0.029**	J	0.00082	U	0.0011	U	0.0014	U	0.0017	U	25	U	0.0016	U	0.00095	U	0.0014	U	2.5	U	--	
p-Isopropyltoluene (p-Cymene)	99-87-6		mg/kg	**0.017**	NJ	0.00082	U	0.0011	U	0.0014	U	0.0017	U	25	U	0.0016	U	0.00095	U	0.0014	U	2.5	U	--	
sec-Butylbenzene	135-98-8	11	mg/kg	**0.022**	J	0.00082	U	0.0011	U	0.0014	U	0.0017	U	25	U	0.0016	U	0.00095	U	0.0014	U	2.5	U	--	
Tetrachloroethene	127-18-4	1.3	mg/kg	**0.16**		**0.00017**	J	**0.00035**	J	0.0014	U	0.0017	U	**3800**	J	**0.15**		0.00095	U	0.0014	U	**630**	J	**0.589**	
Toluene	108-88-3	0.7	mg/kg	0.073	U	0.0012	U	0.0017	U	0.0021	U	0.0026	U	38	U	0.0024	U	0.0014	U	**0.00034**	J	3.8	U	0.51	U
trans-1,2-Dichloroethene	156-60-5	0.19	mg/kg	0.073	U	0.0012	U	0.0017	U	0.0021	U	0.0026	U	38	U	0.0024	U	0.0014	U	0.002	U	2.5	U	0.21	U
Trichloroethene	79-01-6	0.47	mg/kg	0.049	U	0.00082	U	0.0011	U	0.0014	U	0.0017	U	**85**	J	**0.01**		0.00095	U	0.0014	U	**34**	J	0.21	U
Xylene (total)	1330-20-7	0.26	mg/kg	**0.038**	NJ	0.0016	U	0.0022	U	0.0028	U	0.0035	U	50	U	0.0032	U	0.0019	U	**0.00061**	J	5	U	0.21	U
Semivolatile Organics by GC/MS - Westborough Lab																					
2-Methylnaphthalene	91-57-6		mg/kg	0.22	U	0.22	U	0.22	U	0.25	U	0.24	U	**0.076**	J	-		0.23	U	0.23	U	0.23	U	-	
Acenaphthene	83-32-9	20	mg/kg	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U	**0.046**	J	-		0.16	U	**0.04**	J	0.16	U	-	
Acenaphthylene	208-96-8	100	mg/kg	0.15	U	0.15	U	**0.069**	J	0.16	U	0.16	U	0.16	U	-		0.16	U	**0.27**		0.16	U	-	
Anthracene	120-12-7	100	mg/kg	0.11	U	0.11	U	**0.038**	J	0.12	U	0.12	U	**0.092**	NJ	-		0.12	U	**0.25**		0.16	U	-	
Benzo(a)anthracene	56-55-3	1	mg/kg	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	**0.29**		-		0.12	U	**0.89**	J	**0.13**		-	
Benzo(a)pyrene	50-32-8	1	mg/kg	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U	**0.3**		-		0.16	U	**0.8**	J	**0.13**	J	-	
Benzo(b)fluoranthene	205-99-2	1	mg/kg	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	**0.52**		-		0.12	U	**1.3**	J	**0.24**		-	
Benzo(ghi)perylene	191-24-2	100	mg/kg	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U	**0.26**		-		0.16	U	**0.42**		**0.12**	J	-	
Benzo(k)fluoranthene	207-08-9	0.8	mg/kg	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	**0.2**		-		0.12	U	**0.44**		**0.075**	J	-	
Bis(2-ethylhexyl)phthalate	117-81-7		mg/kg	0.18	U	0.18	U	0.18	U	0.21	U	0.2	U	**26**	J	-		0.19	U	0.19	U	**14**	J	-	
Butyl benzyl phthalate	85-68-7		mg/kg	0.18	U	0.18	U	0.18	U	0.21	U	0.2	U	**0.32**		-		0.19	U	0.19	U	**0.15**	J	-	
Carbazole	86-74-8		mg/kg	0.18	U	0.18	U	0.18	U	0.21	U	0.2	U	0.16	U	-		0.19	U	**0.056**	J	0.19	U	-	
Chrysene	218-01-9	1	mg/kg	0.11	U	0.11	U	**0.047**	J	0.12	U	0.12	U	**0.43**		-		0.12	U	**0.88**	J	**0.18**		-	
Dibenzo(a,h)anthracene	53-70-3	0.33	mg/kg	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	**0.051**	J	-		0.12	U	**0.17**		0.12	U	-	
Fluoranthene	206-44-0	100	mg/kg	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	**0.98**	J	-		0.12	U	**1.4**	J	**0.41**	NJ	-	
Fluorene	86-73-7	30	mg/kg	0.18	U	0.18	U	0.18	U	0.21	U	0.2	U	**0.077**	NJ	-		0.19	U	**0.086**	J	0.19	U	-	
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	mg/kg	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U	**0.26**		-		0.16	U	**0.52**		**0.12**	J	-	
Naphthalene	91-20-3	12	mg/kg	0.18	U	0.18	U	0.18	U	0.21	U	0.2	U	0.2	U	-		0.19	U	**0.067**	J	0.19	U	-	
Phenanthrene	85-01-8	100	mg/kg	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	**0.55**	NJ	-		0.12	U	**0.3**		**0.21**	NJ	-	
Pyrene	129-00-0	100	mg/kg	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	**0.72**	J	-		0.12	U	**1.2**	J	**0.29**	J	-	
Total Metals - Westborough Lab																					
Aluminum, Total	7429-90-5		mg/kg	**5500**		**10000**		**13000**		**9900**		**10000**		**1500**		-		**10000**		**20000**		**1800**		-	
Antimony, Total	7440-36-0		mg/kg	**1.3**	J	4.3	U	4.2	U	4.7	U	4.6	U	4.6	U	-		4.5	U	4.5	U	**0.92**	J	-	
Arsenic, Total	7440-38-2	13	mg/kg	**11**		**11**		**11**		**12**		**13**		**3.3**		-		**8.2**		**2.1**	J	**4.3**		-	
Barium, Total	7440-39-3	350	mg/kg	**17**		**19**		**21**		**49**		**58**		**15**	J	-		**65**		**180**		**37**	J	-	
Beryllium, Total	7440-41-7	7.2	mg/kg	**0.3**	J	**0.38**	J	**0.44**		**0.42**	J	**0.51**		0.46	U	-		**0.42**	J	**3.4**		**0.09**	J	-	
Cadmium, Total	7440-43-9	2.5	mg/kg	0.87	U	0.85	U	0.84	U	0.94	U	0.92	U	**0.6**	J	-		0.91	U	0.9	U	**0.46**	J	-	

TABLE 5

SUMMARY OF SOIL ANALYTICAL RESULTS VS. UNRESTRICTED SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Compound	CasNum	NY-USCOs	Units	Location (depth), Sample Date, Lab Data Package No.							QA/QC			VAULT
				MW-1B (2-4) 12/22/2014 L1430926-01	MW-2B (12-14) 12/23/2014 L1431081-02	MW-3B (12-14) 12/24/2014 L1431129-01	MW-4A 10-18' 12/31/2014 L1431383-02	MW-5A 12-22' 12/30/2014 L1431383-01	SED-1 12/22/2014 L1430926-02	SED-2 12/23/2014 L1431081-01	B-9 BLIND DUP #1 12/12/2014 L1430017-04	B-13 BLIND DUP #2 12/15/2014 L1430177-03	SED-1 BLIND DUP #3 12/22/2014 L1430926-03	BH-1 (0.8 - 4.0) 5/7/2014
Calcium, Total	7440-70-2		mg/kg	3500	44000	36000	48000	42000	110000	-	41000	170000 J	99000	-
Chromium, Total	7440-47-3	30	mg/kg	12	18	23	16	16	14	-	17	4.4 J	16	-
Cobalt, Total	7440-48-4		mg/kg	7.8	10	14	9.5	8.7	1.5 J	-	8.1 J	1.3 J	1.9 J	-
Copper, Total	7440-50-8	50	mg/kg	45	20	22	27	26	40 J	-	29	6.2 J	97	-
Iron, Total	7439-89-6		mg/kg	16000	22000	26000	22000	20000	8600	-	21000	5200 J	8400	-
Lead, Total	7439-92-1	63	mg/kg	19	4.3	7	7.7	8.6	21 J	-	8.9	4.3 J	23	-
Magnesium, Total	7439-95-4		mg/kg	2900	13000	7000	12000	11000	3600	-	10000	14000	4500	-
Manganese, Total	7439-96-5	1,600	mg/kg	120	260	290	360	360	190 J	-	300 J	1500	160	-
Mercury, Total	7439-97-6	0.18	mg/kg	0.04 J	0.02 J	0.03 J	0.03 J	0.02 J	0.04 J	-	0.03 J	0.02 J	0.19	-
Nickel, Total	7440-02-0	30	mg/kg	32	32	41	25	24	14	-	26	4 J	10	-
Potassium, Total	7440-09-7		mg/kg	680	990	1200	1400	1500	180 J	-	980	910	210 J	-
Selenium, Total	7782-49-2	3.9	mg/kg	1.9	1.7 U	1.7 U	0.94 J	0.52 J	1.8 U	-	1.8 U	1.2 J	1.8 U	-
Silver, Total	7440-22-4	2	mg/kg	0.87 U	0.85 U	0.84 U	0.25 J	0.34 J	20 J	-	0.91 U	0.9 U	82 J	-
Sodium, Total	7440-23-5		mg/kg	140 J	130 J	130 J	180 J	180	970 J	-	170 J	1100	2000 J	-
Thallium, Total	7440-28-0		mg/kg	1.7 U	1.7 U	1.7 U	1.9 U	1.8 U	1.8 UJ	-	1.8 U	1.8 U	1.8 U	-
Vanadium, Total	7440-62-2		mg/kg	11	16	18	18	19	3.4	-	20	5.1 J	5.1	-
Zinc, Total	7440-66-6	109	mg/kg	32	66	60	57	57	160 J	-	63	13 J	280 J	-
Organochlorine Pesticides by GC - Westborough Lab														
4,4'-DDD	72-54-8	0.0033	mg/kg	-	-	-	-	-	-	-	0.0019 U	-	-	-
4,4'-DDE	72-55-9	0.0033	mg/kg	-	-	-	-	-	-	-	0.0019 U	-	-	-
Polychlorinated Biphenyls by GC - Westborough Lab														
Aroclor 1254	11097-69-1	0.1	mg/kg	0.0367 U	0.0353 U	0.0361 U	0.0398 U	0.0382 U	0.0396 U	-	0.0389 U	0.0384 U	0.0384 U	-
Aroclor 1260	11096-82-5	0.1	mg/kg	0.0367 U	0.0353 U	0.0361 U	0.0398 U	0.0382 U	0.0396 U	-	0.0389 U	0.0384 U	0.0384 U	-
PCBs, Total	1336-36-3	0.1	mg/kg	0.0367 U	0.0353 U	0.0361 U	0.0398 U	0.0382 U	0.0396 U	-	0.0389 U	0.0384 U	0.0384 U	-

TABLE 5

SUMMARY OF SOIL ANALYTICAL RESULTS VS. UNRESTRICTED SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Compound	CasNum	NY-USCOs	Units	Location (depth), Sample Date, Lab Data Package No.													
				LCS PHASE II (MAY 2014)					TURNKEY SUPPLEMENTAL PHASE II (MAY 2014) - UNDER BUILDING								
				BH-3 (6.0-8.0) 5/7/2014	Qual	BH-4 (12.0 - 14.0) 5/7/2014	Qual	BH-6 (2.0 - 4.0) 5/7/2014	Qual	BH-7 (0.5 - 2.0) 5/7/2014	Qual	BH-8 (0.5 - 2.0) 5/7/2014	Qual	SB-1 (1.5 - 2.0) 5/20/2014	Qual	SB-2 (1.0 - 2.5) 5/20/2014	Qual	SB-3 (2.5 - 3.0) 5/20/2014	Qual	SB-4 (2.5 - 3.0) 5/20/2014	Qual	SB-5 (2.5 - 3.0) 5/20/2014	Qual	SB-6 (2.5 - 3.0) 5/20/2014	Qual
Volatile Organics by 8260/5035 - Westborough Lab																								
1,2,3-Trichlorobenzene	87-61-6		mg/kg	--		--		--		--		--		**0.0004**	**J**	0.0058	U	0.0061	U	0.0059	U	0.011	U	0.011	U
1,2,4-Trimethylbenzene	95-63-6	3.6	mg/kg	--		--		--		--		--		0.0055	U	--		--		--		--		--	
1,2-Dichlorobenzene	95-50-1	1.1	mg/kg	--		--		--		--		--		0.0055	U	0.0058	U	0.0061	U	0.0059	U	0.011	U	0.011	U
1,3,5-Trimethylbenzene	108-67-8	8.4	mg/kg	--		--		--		--		--		--		--		--		--		--		--	
2-Butanone (MEK)	78-93-3	0.12	mg/kg	0.85	U	0.0097	U	0.0097	U	1.1	U	0.007	U	0.011	U	0.012	U	0.012	U	0.012	U	0.022	U	0.022	U
Acetone	67-64-1	0.05	mg/kg	0.85	U	0.0097	U	**0.0535**		1.1	U	0.007	U	0.011	U	0.012	U	0.012	U	0.012	U	0.022	U	0.022	U
Benzene	71-43-2	0.06	mg/kg	0.043	U	**0.0018**		0.00049	U	0.054	U	**0.001**		0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0022	U	0.0022	U
Bromomethane	74-83-9		mg/kg	0.17	U	0.0019	U	0.0019		0.22	U	0.0014	U	0.0055	U	0.0023	U	0.0024	U	0.0023	U	0.0045	U	0.0045	U
Carbon disulfide	75-15-0		mg/kg	0.43	U	0.0048	U	**0.00059**	**J**	0.54	U	**0.00098**	**J**	0.011	U	0.012	U	0.012	U	0.012	U	0.022	U	0.022	U
Chloromethane	74-87-3		mg/kg	0.43	U	0.0048	U	0.0049	U	0.54	U	0.0035	U	0.0055	U	0.0058	U	0.0061	U	0.0059	U	0.011	U	0.011	U
cis-1,2-Dichloroethene	156-59-2	0.25	mg/kg	**0.183**		0.0019	U	0.0019	U	0.22	U	0.0014	U	**0.00055**	**J**	**0.00093**	**J**	0.0012	U	**0.0046**		**0.00092**	**J**	**0.028**	
Cyclohexane	110-82-7		mg/kg	--		--		--		--		--		0.022	U	0.023	U	0.024	U	**0.013**	**J**	0.045	U	**0.0048**	**NJ**
Ethylbenzene	100-41-4	1	mg/kg	--		--		--		--		--		0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0022	U	0.0022	U
Isopropylbenzene	98-82-8		mg/kg	--		--		--		--		--		0.0011	U	0.0012	U	0.0012	U	**0.00064**	**J**	0.0022	U	0.0022	U
Methyl cyclohexane	108-87-2		mg/kg	--		--		--		--		--		0.0044	U	0.0046	U	0.0049	U	**0.053**		0.009	U	**0.029**	
Methylene chloride	75-09-2	0.05	mg/kg	0.17	U	0.0019	U	0.0019	U	0.22	U	0.0014	U	0.011	U	0.12	U	0.12	U	0.12	U	0.22	U	0.22	U
n-Butylbenzene	104-51-8	12	mg/kg	--		--		--		--		--		--		--		--		--		--		--	
n-Propylbenzene	103-65-1	3.9	mg/kg	--		--		--		--		--		--		--		--		--		--		--	
p-Isopropyltoluene (p-Cymene)	99-87-6		mg/kg	--		--		--		--		--		--		--		--		--		--		--	
sec-Butylbenzene	135-98-8	11	mg/kg	--		--		--		--		--		--		--		--		--		--		--	
Tetrachloroethene	127-18-4	1.3	mg/kg	**0.45**		0.0019	U	0.0019	U	0.22	U	0.0014	U	**0.7**		**0.15**		**0.013**		**0.059**		**2**		**9.9**	
Toluene	108-88-3	0.7	mg/kg	0.43	U	**0.0045**	**J**	0.0049	U	0.54	U	**0.0024**	**J**	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0036	U	0.0036	U
trans-1,2-Dichloroethene	156-60-5	0.19	mg/kg	0.17	U	0.0019		0.0019		0.22		0.0014		0.0016	U	**0.00056**	**J**	0.0018	U	0.0018	U	0.0034	U	**0.0026**	**J**
Trichloroethene	79-01-6	0.47	mg/kg	**0.169**	**J**	0.0019	U	0.0019	U	0.22	U	0.0014	U	**0.014**		**0.0082**		**0.00091**	**J**	**0.0065**		**0.016**		**0.14**	
Xylene (total)	1330-20-7	0.26	mg/kg	0.17	U	**0.0045**		0.0019	U	0.22	U	**0.003**		0.0016	U	0.0023	U	0.0024	U	**0.00105**	**J**	0.0045	U	0.0045	U
Semivolatile Organics by GC/MS - Westborough Lab																								
2-Methylnaphthalene	91-57-6		mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Acenaphthene	83-32-9	20	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Acenaphthylene	208-96-8	100	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Anthracene	120-12-7	100	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Benzo(a)anthracene	56-55-3	1	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Benzo(a)pyrene	50-32-8	1	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Benzo(b)fluoranthene	205-99-2	1	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Benzo(ghi)perylene	191-24-2	100	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Benzo(k)fluoranthene	207-08-9	0.8	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Bis(2-ethylhexyl)phthalate	117-81-7		mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Butyl benzyl phthalate	85-68-7		mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Carbazole	86-74-8		mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Chrysene	218-01-9	1	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Dibenzo(a,h)anthracene	53-70-3	0.33	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Fluoranthene	206-44-0	100	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Fluorene	86-73-7	30	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Naphthalene	91-20-3	12	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Phenanthrene	85-01-8	100	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Pyrene	129-00-0	100	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Total Metals - Westborough Lab																								
Aluminum, Total	7429-90-5		mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Antimony, Total	7440-36-0		mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Arsenic, Total	7440-38-2	13	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Barium, Total	7440-39-3	350	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Beryllium, Total	7440-41-7	7.2	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Cadmium, Total	7440-43-9	2.5	mg/kg	-		-		-		-		-		-		-		-		-		-		-	

TABLE 5

SUMMARY OF SOIL ANALYTICAL RESULTS VS. UNRESTRICTED SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Compound	CasNum	NY-USCOs	Units	Location (depth), Sample Date, Lab Data Package No.											
				LCS PHASE II (MAY 2014)					TURNKEY SUPPLEMENTAL PHASE II (MAY 2014) - UNDER BUILDING						
				BH-3 (6.0-8.0) 5/7/2014 Qual	BH-4 (12.0 - 14.0) 5/7/2014 Qual	BH-6 (2.0 - 4.0) 5/7/2014 Qual	BH-7 (0.5 - 2.0) 5/7/2014 Qual	BH-8 (0.5 - 2.0) 5/7/2014 Qual	SB-1 (1.5 - 2.0) 5/20/2014 Qual	SB-2 (1.0 - 2.5) 5/20/2014 Qual	SB-3 (2.5 - 3.0) 5/20/2014 Qual	SB-4 (2.5 - 3.0) 5/20/2014 Qual	SB-5 (2.5 - 3.0) 5/20/2014 Qual	SB-6 (2.5 - 3.0) 5/20/2014 Qual
Calcium, Total	7440-70-2		mg/kg	-	-	-	-	-	-	-	-	-	-	-
Chromium, Total	7440-47-3	30	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Total	7440-48-4		mg/kg	-	-	-	-	-	-	-	-	-	-	-
Copper, Total	7440-50-8	50	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Iron, Total	7439-89-6		mg/kg	-	-	-	-	-	-	-	-	-	-	-
Lead, Total	7439-92-1	63	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Magnesium, Total	7439-95-4		mg/kg	-	-	-	-	-	-	-	-	-	-	-
Manganese, Total	7439-96-5	1,600	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Mercury, Total	7439-97-6	0.18	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Nickel, Total	7440-02-0	30	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Potassium, Total	7440-09-7		mg/kg	-	-	-	-	-	-	-	-	-	-	-
Selenium, Total	7782-49-2	3.9	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Silver, Total	7440-22-4	2	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Sodium, Total	7440-23-5		mg/kg	-	-	-	-	-	-	-	-	-	-	-
Thallium, Total	7440-28-0		mg/kg	-	-	-	-	-	-	-	-	-	-	-
Vanadium, Total	7440-62-2		mg/kg	-	-	-	-	-	-	-	-	-	-	-
Zinc, Total	7440-66-6	109	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Organochlorine Pesticides by GC - Westborough Lab														
4,4'-DDD	72-54-8	0.0033	mg/kg	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDE	72-55-9	0.0033	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls by GC - Westborough Lab														
Aroclor 1254	11097-69-1	0.1	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	11096-82-5	0.1	mg/kg	-	-	-	-	-	-	-	-	-	-	-
PCBs, Total	1336-36-3	0.1	mg/kg	-	-	-	-	-	-	-	-	-	-	-

Notes:

1. Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one sample are included on the summary sheets.
2. Restricted-Residential Use Soil Cleanup Objective per 6NYCRR Part 375.
3. Validated data and qualifiers are in **RED.**

Qualifier Key:

NJ The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated qantitative value.
J The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
U The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
UJ The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.

Color Code:

= concentration exceeds the Part 375 Unrestricted Soil Cleanup Objective (USCO).

TABLE 6

SUMMARY OF SOIL ANALYTICAL RESULTS VS. RESTRICTED RESIDENTIAL & PROTECTION OF GROUNDWATER SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Parameter [1]	CasNum	NY-RRSCO [2]	NY-PGW [2]	Units	Location (depth), Sample Date, Lab Data Package No.																	
					VAULT AREA																	
					B-1 (0.3-2.0) 11/10/2014 L1427049-01	Qual	B-5 (0.4-4.0) 11/11/2014 L1427154-01	Qual	B-6 (4-8) 12/12/2014 L1430017-01	Qual	B-7 (8-10) 12/12/2014 L1430017-02	Qual	B-8 (9.5-11.5) 12/12/2014 L1430017-05	Qual	B-9 (4-8) 12/12/2014 L1430017-03	Qual	B-10 (5-7) 12/12/2014 L1430017-06	Qual	B-11 (2-4) 12/12/2014 L1430017-07	Qual	B-12 (2-4) 12/15/2014 L1430177-01	Qual	B-13 (1-4) 12/15/2014 L1430177-02	Qual	B-14 (1-4) 12/15/2014 L1430177-04	Qual
Volatile Organics by 8260/5035 - Westborough Lab																						
1,2,3-Trichlorobenzene	87-61-6			mg/kg	0.26	U	0.45	U	0.55	UJ	0.0086	UJ	0.0048	UJ	0.0047	UJ	0.0044	UJ	0.0048	UJ	0.0064	UJ	0.0071	UJ	0.0057	UJ
1,2,4-Trimethylbenzene	95-63-6	52	3.6	mg/kg	0.27		0.45	U	0.55	U	0.0086	U	0.0048	U	0.0047	U	0.0044	U	0.0048	U	0.00062	J	0.0071	U	0.0057	U
1,2-Dichlorobenzene	95-50-1	100	1.1	mg/kg	0.26	U	0.45	U	0.55	U	0.0086	U	0.0048	U	0.0047	U	0.0044	U	0.0048	U	0.0064	U	0.0071	U	0.0057	U
1,3,5-Trimethylbenzene	108-67-8	52	8.4	mg/kg	0.13	J	0.45	U	0.55	U	0.0086	U	0.0048	U	0.0047	U	0.0044	U	0.0048	U	0.0064	U	0.0071	U	0.0057	U
2-Butanone (MEK)	78-93-3	100	0.12	mg/kg	0.58		0.91	U	1.1	U	0.017	U	0.0096	U	0.0094	U	0.0089	U	0.0096	U	0.13	U	0.014	U	0.011	U
Acetone	67-64-1	100	0.05	mg/kg	0.42	J	0.91	U	1.1	U	0.0055	J	0.0023	J	0.0094	U	0.0089	U	0.0099		0.0039	J	0.0069	J	0.0052	J
Benzene	71-43-2	4.8	0.06	mg/kg	0.052	U	0.091	U	0.11	U	0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.00032	J	0.0018		0.0011	U
Bromomethane	74-83-9			mg/kg	0.15		0.18	U	0.22	U	0.0034	U	0.0019	U	0.0019	U	0.0018	U	0.0019	U	0.0025	U	0.0028	U	0.0023	U
Carbon disulfide	75-15-0			mg/kg	0.52	U	0.91	U	1.1	U	0.017	U	0.0096	U	0.0094	U	0.0089	U	0.0096	U	0.0034	J	0.014	U	0.011	U
Chloromethane	74-87-3			mg/kg	0.52	U	0.18	U	0.22	U	0.0034	U	0.0019	U	0.0047	U	0.0044	U	0.0048	U	0.0064	U	0.0071	U	0.0057	U
cis-1,2-Dichloroethene	156-59-2	100	0.25	mg/kg	0.052	U	0.091	U	2.4		0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.00078	J	0.0014	U	0.0011	U
Cyclohexane	110-82-7			mg/kg	0.78	J	1.8	U	2.2	U	0.034	U	0.019	U	0.019	U	0.018	U	0.019	U	0.0011	J	0.00099	J	0.023	U
Ethylbenzene	100-41-4	41	1	mg/kg	0.044	J	0.091	U	0.11	U	0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
Isopropylbenzene	98-82-8			mg/kg	0.026	J	0.091	U	0.11	U	0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
Methyl cyclohexane	108-87-2			mg/kg	1.9		0.21	J	0.063	J	0.0069	U	0.0038	U	0.0038	U	0.0035	U	0.019	U	0.0022	J	0.0028	J	0.00083	J
Methylene chloride	75-09-2	100	0.05	mg/kg	0.52	U	0.91	U	1.1	U	0.017	U	0.0096	U	0.0094	U	0.0089	U	0.0096	U	0.013	U	0.014	U	0.011	U
n-Butylbenzene	104-51-8	100	12	mg/kg	0.036	J	0.091	U	0.11	U	0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
n-Propylbenzene	103-65-1	100	3.9	mg/kg	0.055		0.091	U	0.11	U	0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
p-Isopropyltoluene (p-Cymene)	99-87-6			mg/kg	0.015	J	0.091	U	0.11	U	0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
sec-Butylbenzene	135-98-8	100	11	mg/kg	0.026	J	0.091	U	0.11	U	0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
Tetrachloroethene	127-18-4	19	1.3	mg/kg	0.1		0.091	U	0.67		0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
Toluene	108-88-3	100	0.7	mg/kg	0.08		0.14	U	0.17	U	0.0026	U	0.0014	U	0.0014	U	0.0013	U	0.0014	U	0.0013	U	0.0021	U	0.0011	U
trans-1,2-Dichloroethene	156-60-5	100	0.19	mg/kg	0.077	U	0.14	U	0.46		0.0026	U	0.0014	U	0.0014	U	0.0013	U	0.0014	U	0.0019	U	0.0021	U	0.0017	U
Trichloroethene	79-01-6	21	0.47	mg/kg	0.052	U	0.091	U	0.55		0.0017	U	0.00096	U	0.00094	U	0.00089	U	0.00096	U	0.0013	U	0.0014	U	0.0011	U
Xylene (total)	1330-20-7	100	1.6	mg/kg	0.43		0.18	U	0.22	U	0.0034	U	0.0019	U	0.0019		0.0018	U	0.0019	U	0.00087	J	0.0028	U	0.0023	U
Semivolatile Organics by GC/MS - Westborough Lab																						
2-Methylnaphthalene	91-57-6			mg/kg	-		0.22	U	0.25	U	0.24	U	0.21	U	0.24	U	0.22	U	0.24	U	0.1	J	0.22	U	0.25	U
Acenaphthene	83-32-9	100	98	mg/kg	-		0.052	J	0.16	U	0.16	U	0.14	U	0.16	U	0.15	U	0.16	U	0.14	U	0.15	U	0.17	U
Acenaphthylene	208-96-8	100	107	mg/kg	-		0.043	NJ	0.16	U	0.16	U	0.14	U	0.16	U	0.15	U	0.16	U	0.058	J	0.11	J	0.2	
Anthracene	120-12-7	100	1,000	mg/kg	-		0.12		0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	0.053	J	0.1	J	0.12	J
Benzo(a)anthracene	56-55-3	1	1	mg/kg	-		0.17		0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	0.099	J	0.36	J	0.39	
Benzo(a)pyrene	50-32-8	1	22	mg/kg	-		0.14	J	0.16	U	0.16	U	0.14	U	0.16	U	0.15	U	0.16	U	0.1	J	0.3	J	0.48	
Benzo(b)fluoranthene	205-99-2	1	1.7	mg/kg	-		0.18		0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	0.15		0.45	J	0.68	
Benzo(ghi)perylene	191-24-2	100	1,000	mg/kg	-		0.074	J	0.16	U	0.16	U	0.14	U	0.16	U	0.15	U	0.16	U	0.069	J	0.16		0.38	
Benzo(k)fluoranthene	207-08-9	3.9	1.7	mg/kg	-		0.081	J	0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	0.048	J	0.16		0.21	
Bis(2-ethylhexyl)phthalate	117-81-7			mg/kg	-		0.18	U	0.21	U	0.2	U	0.18	U	0.2	U	0.19	U	0.2	U	0.18	U	0.19	U	0.21	U
Butyl benzyl phthalate	85-68-7			mg/kg	-		0.18	U	0.21	U	0.2	U	0.18	U	0.2	U	0.19	U	0.2	U	0.18	U	0.19	U	0.21	U
Carbazole	86-74-8			mg/kg	-		0.043	J	0.21	U	0.2	U	0.18	U	0.2	U	0.19	U	0.2	U	0.18	U	0.19	U	0.21	U
Chrysene	218-01-9	3.9	1	mg/kg	-		0.16		0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	0.12		0.32	J	0.41	
Dibenzo(a,h)anthracene	53-70-3	0.33	1,000	mg/kg	-		0.11	U	0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	0.11	U	0.061	J	0.1	J
Fluoranthene	206-44-0	100	1,000	mg/kg	-		0.41		0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	0.22	NJ	0.56	J	0.68	
Fluorene	86-73-7	100	386	mg/kg	-		0.084	J	0.21	U	0.2	U	0.18	U	0.2	U	0.19	U	0.2	U	0.06	J	0.19	U	0.21	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	8.2	mg/kg	-		0.078	J	0.16	U	0.16	U	0.14	U	0.16	U	0.15	U	0.16	U	0.073	J	0.19		0.44	
Naphthalene	91-20-3	100	12	mg/kg	-		0.18	U	0.21	U	0.2	U	0.18	U	0.2	U	0.19	U	0.2	U	0.18	U	0.19	U	0.21	U
Phenanthrene	85-01-8	100	1,000	mg/kg	-		0.42		0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	0.17		0.15		0.23	
Pyrene	129-00-0	100	1,000	mg/kg	-		0.31		0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	0.19		0.47	J	0.55	
Total Metals - Westborough Lab																						
Aluminum, Total	7429-90-5			mg/kg	-		12000		9900		9300		8200		10000		9400		8400		7800		19000		13000	
Antimony, Total	7440-36-0			mg/kg	-		4.4	U	4.9	U	4.8	U	4.2	U	4.7	U	4.4	U	4.6	U	4.3	U	4.4	U	5	U
Arsenic, Total	7440-38-2	16	16	mg/kg	-		6.7		11		8.8		4.4		10		12		7.3		10		6.2	J	8.6	
Barium, Total	7440-39-3	400	820	mg/kg	-		74		43		29		26		70		140		65		46		140		92	
Beryllium, Total	7440-41-7	72	47	mg/kg	-		2.2		0.44	J	0.39	J	0.34	J	0.43	J	0.44		0.59		0.82		2.9		1.9	
Cadmium, Total	7440-43-9	4.3	7.5	mg/kg	-		0.87	U	0.98	U	0.95	U	0.16	J	0.94	U	0.87	U	0.92	U	0.52	J	0.1	J	0.22	J

TABLE 6

SUMMARY OF SOIL ANALYTICAL RESULTS VS. RESTRICTED RESIDENTIAL & PROTECTION OF GROUNDWATER SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Parameter [1]	CasNum	NY-RRSCO [2]	NY-PGW [2]	Units	Location (depth), Sample Date, Lab Data Package No.																	
					VAULT AREA																	
					B-1 (0.3-2.0) 11/10/2014 L1427049-01	Qual	B-5 (0.4-4.0) 11/11/2014 L1427154-01	Qual	B-6 (4-8) 12/12/2014 L1430017-01	Qual	B-7 (8-10) 12/12/2014 L1430017-02	Qual	B-8 (9.5-11.5) 12/12/2014 L1430017-05	Qual	B-9 (4-8) 12/12/2014 L1430017-03	Qual	B-10 (5-7) 12/12/2014 L1430017-06	Qual	B-11 (2-4) 12/12/2014 L1430017-07	Qual	B-12 (2-4) 12/15/2014 L1430177-01	Qual	B-13 (1-4) 12/15/2014 L1430177-02	Qual	B-14 (1-4) 12/15/2014 L1430177-04	Qual
Calcium, Total	7440-70-2			mg/kg	-		71000	J	49000		46000		65000		41000		42000		2800		130000		72000	J	130000	
Chromium, Total	7440-47-3	180	NS	mg/kg	-		11	J	16		17		16		17		17		13		10		11	J	11	
Cobalt, Total	7440-48-4			mg/kg	-		3.3	J	12		10		9.2		16	J	13		5.6		6.3		5		5	
Copper, Total	7440-50-8	270	1,720	mg/kg	-		16	J	31		29		22		30		30		34		24		16	J	19	
Iron, Total	7439-89-6			mg/kg	-		11000		22000		22000		20000		23000		25000		19000		15000		14000	J	15000	
Lead, Total	7439-92-1	400	450	mg/kg	-		14	J	10		8.6		4.8		8.1		9		13		39		17	J	16	
Magnesium, Total	7439-95-4			mg/kg	-		16000	J	7300		12000		10000		9400		9800		2500		9400		13000		12000	
Manganese, Total	7439-96-5	2,000	2,000	mg/kg	-		780		490		380		320		610	J	890		160		550		1100		810	
Mercury, Total	7439-97-6	0.81	0.73	mg/kg	-		0.3		0.03	J	0.03	J	0.07	U	0.03	J	0.02	J	0.02	J	0.03	J	0.02	J	0.04	J
Nickel, Total	7440-02-0	310	130	mg/kg	-		11	J	27		27		27		34		35		24		23		13	J	16	
Potassium, Total	7440-09-7			mg/kg	-		710		940		1000		820		910		940		290		890		1100		750	
Selenium, Total	7782-49-2	180	4	mg/kg	-		0.56	J	2	U	0.34	J	1.7	U	1.9	U	0.36	J	1.8	U	0.42	J	0.8	J	0.78	J
Silver, Total	7440-22-4	180	8.3	mg/kg	-		0.87	U	0.2	J	0.95	U	0.2	J	0.94	U	0.2	J	0.92	U	0.87	U	0.88	U	1	U
Sodium, Total	7440-23-5			mg/kg	-		1100		430		160	J	150	J	170	J	130	J	130	J	1300		1400		1000	
Thallium, Total	7440-28-0			mg/kg	-		1.7	UJ	2	U	1.9	U	1.7	U	1.9	U	1.7	U	0.45	J	1.7	U	1.8	U	2	U
Vanadium, Total	7440-62-2			mg/kg	-		9.9		19		18		16		19		19		22		15		12	J	13	
Zinc, Total	7440-66-6	10,000	2,480	mg/kg	-		38	J	66		63		78		63		68		62		67		52	J	54	
Organochlorine Pesticides by GC - Westborough Lab																										
4,4'-DDD	72-54-8	13	14	mg/kg	-		0.00218		-		-		-		0.00186	U	-		-		-		-		0.00196	U
4,4'-DDE	72-55-9	8.9	17	mg/kg	-		0.00197		-		-		-		0.00186	U	-		-		-		-		0.00196	U
Polychlorinated Biphenyls by GC - Westborough Lab																										
Aroclor 1254	11097-69-1	1	3.2	mg/kg	-		0.0362	UJ	0.0411	U	0.0382	U	0.0354	U	0.039	U	0.0368	U	0.0387	U	0.00651	J	0.0374	U	0.0416	U
Aroclor 1260	11096-82-5	1	3.2	mg/kg	-		0.0362	UJ	0.0411	U	0.0382	U	0.0354	U	0.039	U	0.0368	U	0.0387	U	0.0139	J	0.0374	U	0.0416	U
PCBs, Total	1336-36-3	1	3.2	mg/kg	-		0.0362	UJ	0.0411	U	0.0382	U	0.0354	U	0.039	U	0.0368	U	0.0387	U	0.0204	J	0.0374	U	0.0416	U

TABLE 6

SUMMARY OF SOIL ANALYTICAL RESULTS VS. RESTRICTED RESIDENTIAL & PROTECTION OF GROUNDWATER SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Parameter [1]	CasNum	NY-RRSCO [2]	NY-PGW [2]	Units	Location (depth), Sample Date, Lab Data Package No.																			
							UNDER BUILDING														VAULT AREA		UNDER BUILDING			
					B-15 (4-8) 12/15/2014 L1430177-05	Qual	B-16 (4-6) 12/15/2014 L1430177-07	Qual	B-17 (4-6) 12/15/2014 L1430177-08	Qual	B-18 (4-6) 12/15/2014 L1430177-09	Qual	B-19 (2-4) 12/30/2014 L1431379-01	Qual	B-20 (2-4) 12/30/2014 L1431379-02	Qual	B-21 (3.5-4.5) 12/30/2014 L1431379-03	Qual	B-22 (1-3) 12/15/2014 L1430177-06	Qual	B-23 2-4' 1/5/2015 L1500088-01	Qual	B-24 (2-4) 12/30/2014 L1431379-04	Qual	B-25 (4-5) 12/30/2014 L1431379-05	Qual
Volatile Organics by 8260/5035 - Westborough Lab																								
1,2,3-Trichlorobenzene	87-61-6			mg/kg	0.0052	UJ	0.01	U	0.0054	UJ	0.01	UJ	0.0052	U	0.0058	U	0.0049	U	0.011	UJ	0.008	U	0.28	U	0.0049	U
1,2,4-Trimethylbenzene	95-63-6	52	3.6	mg/kg	0.0052	U	0.00049	J	0.0054	U	0.0035	J	0.0052	U	0.0058	U	0.0049	U	0.011	U	0.008	U	0.28	U	0.0049	U
1,2-Dichlorobenzene	95-50-1	100	1.1	mg/kg	0.0052	U	0.01	U	0.0054	U	0.01	U	0.0052	U	0.0058	U	0.0049	U	0.011	U	0.008	U	0.28	U	0.0049	U
1,3,5-Trimethylbenzene	108-67-8	52	8.4	mg/kg	0.0052	U	0.01	U	0.0054	U	0.0014	J	0.0052	U	0.0058	U	0.0049	U	0.011	U	0.008	U	0.28	U	0.0049	U
2-Butanone (MEK)	78-93-3	100	0.12	mg/kg	0.01	U	0.02	U	0.0034	J	0.021	U	0.01	U	0.012	U	0.0097	U	0.022	U	0.016	U	0.28	U	0.0098	U
Acetone	67-64-1	100	0.05	mg/kg	0.0067	J	0.0068	J	0.031		0.0049	J	0.015		0.0034	J	0.019		0.022	U	0.023		0.57	U	0.0072	J
Benzene	71-43-2	4.8	0.06	mg/kg	0.001	U	0.002	U	0.0011	U	0.0021	U	0.001	U	0.0012	U	0.00097	U	0.0022	U	0.0016	U	0.057	U	0.00098	U
Bromomethane	74-83-9			mg/kg	0.0021	U	0.0041	U	0.0021	U	0.0042	U	0.0021	U	0.0023	U	0.0019	U	0.0044	U	0.0032	U	0.11	U	0.002	U
Carbon disulfide	75-15-0			mg/kg	0.01	U	0.02	U	0.011	U	0.021	U	0.01	U	0.012	U	0.0097	U	0.022	U	0.016	U	0.57	U	0.0098	U
Chloromethane	74-87-3			mg/kg	0.0052	U	0.01	U	0.0054	U	0.01	U	0.0052	U	0.0058	U	0.0049	U	0.011	U	0.008	U	0.28	U	0.0049	U
cis-1,2-Dichloroethene	156-59-2	100	0.25	mg/kg	0.00054	J	0.002	U	0.00079	J	0.00053	J	0.00062	J	0.049		0.0085		0.0022	U	0.0022		0.057	U	0.0019	
Cyclohexane	110-82-7			mg/kg	0.021	U	0.0032	J	0.021	U	0.0057	J	0.021	U	0.023	U	0.019	U	0.044	U	0.032	U	1.1	U	0.02	U
Ethylbenzene	100-41-4	41	1	mg/kg	0.001	U	0.002	U	0.0011	U	0.0021	U	0.001	U	0.0012	U	0.00097	U	0.0022	U	0.0016	U	0.057	U	0.00098	U
Isopropylbenzene	98-82-8			mg/kg	0.001	U	0.002	U	0.0011	U	0.0021	U	0.001	U	0.0012	U	0.00097	U	0.0022	U	0.0016	U	0.057	U	0.00098	U
Methyl cyclohexane	108-87-2			mg/kg	0.00097	J	0.0032	J	0.0043	U	0.021		0.0042	U	0.0046	U	0.00072	J	0.0088	U	0.00069	NJ	0.23	U	0.0039	U
Methylene chloride	75-09-2	100	0.05	mg/kg	0.01	U	0.02	U	0.011	U	0.021	U	0.01	U	0.012	U	0.0097	U	0.022	U	0.016	U	0.57	U	0.0098	U
n-Butylbenzene	104-51-8	100	12	mg/kg	0.001	U	0.002	U	0.0011	U	0.0021	U	0.001	U	0.0012	U	0.00097	U	0.0022	U	0.0016	U	0.057	U	0.00098	U
n-Propylbenzene	103-65-1	100	3.9	mg/kg	0.001	U	0.002	U	0.0011	U	0.0021	U	0.001	U	0.0012	U	0.00097	U	0.0022	U	0.0016	U	0.057	U	0.00098	U
p-Isopropyltoluene (p-Cymene)	99-87-6			mg/kg	0.001	U	0.002	U	0.0011	U	0.0021	U	0.001	U	0.0012	U	0.00097	U	0.0022	U	0.0016	U	0.057	U	0.00098	U
sec-Butylbenzene	135-98-8	100	11	mg/kg	0.001	U	0.002	U	0.0011	U	0.0021	U	0.001	U	0.0012	U	0.00097	U	0.0022	U	0.0016	U	0.057	U	0.00098	U
Tetrachloroethene	127-18-4	19	1.3	mg/kg	0.001	U	0.002	U	0.0011	U	0.0021	U	0.001	U	0.0012	U	0.00097	U	0.0022	U	0.0016	U	5.4		0.00098	U
Toluene	108-88-3	100	0.7	mg/kg	0.0016	U	0.00056	J	0.0016	U	0.0031	U	0.0016	U	0.0017	U	0.0015	U	0.00091	J	0.0024	U	0.085	U	0.0015	U
trans-1,2-Dichloroethene	156-60-5	100	0.19	mg/kg	0.0016	U	0.0031	U	0.0016	U	0.0031	U	0.0016	U	0.0065		0.0007	J	0.0033	U	0.0024	U	0.085	U	0.0015	U
Trichloroethene	79-01-6	21	0.47	mg/kg	0.001	U	0.0062		0.0011	U	0.0021	U	0.001	U	0.0012	U	0.00097	U	0.0022	U	0.0016	U	0.26		0.00098	U
Xylene (total)	1330-20-7	100	1.6	mg/kg	0.0021	U	0.0011	J	0.0021	U	0.00082	J	0.0021	U	0.0023	U	0.0019	U	0.0044	U	0.0032	U	0.11	U	0.002	U
Semivolatile Organics by GC/MS - Westborough Lab																								
2-Methylnaphthalene	91-57-6			mg/kg	0.25	U	0.23	U	0.22	U	0.22	U	0.24	U	0.24	U	0.23	U	0.24	U	0.22	U	0.22	U	0.24	U
Acenaphthene	83-32-9	100	98	mg/kg	0.17	U	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U	0.15	U	0.16	U	0.15	U	0.15	U	0.16	U
Acenaphthylene	208-96-8	100	107	mg/kg	0.17	U	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U	0.15	U	0.16	U	0.15	U	0.15	U	0.16	U
Anthracene	120-12-7	100	1,000	mg/kg	0.12	U	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.11	U	0.12	U
Benzo(a)anthracene	56-55-3	1	1	mg/kg	0.12	U	0.081	J	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.11	U	0.12	U
Benzo(a)pyrene	50-32-8	1	22	mg/kg	0.17	U	0.074	J	0.15	U	0.15	U	0.16	U	0.16	U	0.15	U	0.16	U	0.15	U	0.15	U	0.16	U
Benzo(b)fluoranthene	205-99-2	1	1.7	mg/kg	0.12	U	0.095	J	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.11	U	0.12	U
Benzo(ghi)perylene	191-24-2	100	1,000	mg/kg	0.17	U	0.044	J	0.15	U	0.15	U	0.16	U	0.16	U	0.15	U	0.16	U	0.15	U	0.15	U	0.16	U
Benzo(k)fluoranthene	207-08-9	3.9	1.7	mg/kg	0.12	U	0.039	J	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.11	U	0.12	U
Bis(2-ethylhexyl)phthalate	117-81-7			mg/kg	0.21	U	0.19	U	0.18	U	0.19	U	0.2	U	0.2	U	0.19	U	0.2	U	0.19	U	0.18	U	0.2	U
Butyl benzyl phthalate	85-68-7			mg/kg	0.21	U	0.19	U	0.18	U	0.19	U	0.2	U	0.2	U	0.19	U	0.2	U	0.19	U	1.7		0.2	U
Carbazole	86-74-8			mg/kg	0.21	U	0.19	U	0.18	U	0.19	U	0.2	U	0.2	U	0.19	U	0.2	U	0.19	U	0.18	U	0.2	U
Chrysene	218-01-9	3.9	1	mg/kg	0.12	U	0.08	J	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.11	U	0.12	U
Dibenzo(a,h)anthracene	53-70-3	0.33	1,000	mg/kg	0.12	U	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.11	U	0.12	U
Fluoranthene	206-44-0	100	1,000	mg/kg	0.12	U	0.17		0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.11	U	0.12	U
Fluorene	86-73-7	100	386	mg/kg	0.21	U	0.19	U	0.18	U	0.19	U	0.2	U	0.2	U	0.19	U	0.2	U	0.19	U	0.18	U	0.2	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	8.2	mg/kg	0.17	U	0.05	J	0.15	U	0.15	U	0.16	U	0.16	U	0.15	U	0.16	U	0.15	U	0.15	U	0.16	U
Naphthalene	91-20-3	100	12	mg/kg	0.21	U	0.19	U	0.18	U	0.19	U	0.2	U	0.2	U	0.19	U	0.2	U	0.19	U	0.18	U	0.2	U
Phenanthrene	85-01-8	100	1,000	mg/kg	0.12	U	0.083	J	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.11	U	0.12	U
Pyrene	129-00-0	100	1,000	mg/kg	0.12	U	0.13		0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.12	U	0.11	U	0.11	U	0.12	U
Total Metals - Westborough Lab																								
Aluminum, Total	7429-90-5			mg/kg	10000	J	8200		8100		7800		11000		10000		10000		11000		9300		11000		12000	
Antimony, Total	7440-36-0			mg/kg	4.9	U	4.4	U	4.5	U	4.4	U	4.6	U	4.6	U	4.5	U	4.7	U	4.5	U	4.2	U	4.8	U
Arsenic, Total	7440-38-2	16	16	mg/kg	19		6.5		13		11		15		17		8		16		12		13		13	
Barium, Total	7440-39-3	400	820	mg/kg	130	J	48		28		47		66		51		36		41		46		33		66	
Beryllium, Total	7440-41-7	72	47	mg/kg	0.46	J	0.72		0.55		0.39	J	0.49		0.45	J	0.37	J	1		0.44	J	0.45		0.56	
Cadmium, Total	7440-43-9	4.3	7.5	mg/kg	0.14	J	0.14	J	0.15	J	0.28	J	0.11	J	0.13	J	0.91	U	0.18	J	0.14	J	0.12	J	0.96	U

TABLE 6

SUMMARY OF SOIL ANALYTICAL RESULTS VS. RESTRICTED RESIDENTIAL & PROTECTION OF GROUNDWATER SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Parameter [1]	CasNum	NY-RRSCO [2]	NY-PGW [2]	Units	Location (depth), Sample Date, Lab Data Package No.																	
							UNDER BUILDING												VAULT AREA		UNDER BUILDING			
					B-15 (4-8) 12/15/2014 L1430177-05	Qual	B-16 (4-6) 12/15/2014 L1430177-07	Qual	B-17 (4-6) 12/15/2014 L1430177-08	Qual	B-18 (4-6) 12/15/2014 L1430177-09	Qual	B-19 (2-4) 12/30/2014 L1431379-01	Qual	B-20 (2-4) 12/30/2014 L1431379-02	Qual	B-21 (3.5-4.5) 12/30/2014 L1431379-03	Qual	B-22 (1-3) 12/15/2014 L1430177-06	Qual	B-23 2-4' 1/5/2015 L1500088-01	Qual	B-24 (2-4) 12/30/2014 L1431379-04	Qual	B-25 (4-5) 12/30/2014 L1431379-05	Qual
Calcium, Total	7440-70-2			mg/kg	41000	J	150000		2700		14000		2500		10000		1200		15000		16000		10000		20000	
Chromium, Total	7440-47-3	180	NS	mg/kg	18		9.8		13		12		17		15		14		14		15		14		18	
Cobalt, Total	7440-48-4			mg/kg	19		3.6		7.5		8.3		11		11		4.8		8.1		8.6		7.4		8.4	
Copper, Total	7440-50-8	270	1,720	mg/kg	33		13		26		26		27		28		21		29		29		34		26	
Iron, Total	7439-89-6			mg/kg	25000	J	11000		19000		19000		22000		23000		16000		24000		18000		20000		22000	
Lead, Total	7439-92-1	400	450	mg/kg	13		13		19		10		9		10		7.4		22		12		8.2		7.3	
Magnesium, Total	7439-95-4			mg/kg	10000	J	14000		2900		4500		3900		4300		2300		5800		3400		3400		7000	
Manganese, Total	7439-96-5	2,000	2,000	mg/kg	1100	J	710		390		500		470		580		120		490		220		280		280	
Mercury, Total	7439-97-6	0.81	0.73	mg/kg	0.03	J	0.05	J	0.06	J	0.02	J	0.04	J	0.02	J	0.05	J	0.02	J	0.03	J	0.03	J	0.02	J
Nickel, Total	7440-02-0	310	130	mg/kg	39		10		22		25		34		29		20		21		26		24		23	
Potassium, Total	7440-09-7			mg/kg	1100		940		560		670		820		1300		890		700		1500		870		1600	
Selenium, Total	7782-49-2	180	4	mg/kg	2	U	1.8	U	0.32	J	1.7	U	1.8	U	1.8	U	0.32	J	0.61	J	1	J	1.7	U	1.9	U
Silver, Total	7440-22-4	180	8.3	mg/kg	0.98	U	0.89	U	0.9	U	0.87	U	0.2	J	0.26	J	0.36	J	0.94	U	0.2	J	0.27	J	0.32	J
Sodium, Total	7440-23-5			mg/kg	220		320		120	J	140	J	77	J	150	J	110	J	560		320		83	J	170	J
Thallium, Total	7440-28-0			mg/kg	2	UJ	1.8	U	1.8	U	1.7	U	1.8	U	1.8	U	1.8	U	1.9	U	1.8	U	1.7	U	1.9	U
Vanadium, Total	7440-62-2			mg/kg	19		12		19		17		19		20		23		21		20		19		22	
Zinc, Total	7440-66-6	10,000	2,480	mg/kg	67		58		64		56		68		66		60		69		58		75		67	
Organochlorine Pesticides by GC - Westborough Lab																										
4,4'-DDD	72-54-8	13	14	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
4,4'-DDE	72-55-9	8.9	17	mg/kg	-		-		-		-		-		-		-		-		-		-		-	
Polychlorinated Biphenyls by GC - Westborough Lab																										
Aroclor 1254	11097-69-1	1	3.2	mg/kg	0.0409	U	0.0373	U	0.0359	U	0.037	U	0.039	U	0.0382	U	0.0375	U	0.0381	U	0.0378	U	0.0359	U	0.0395	U
Aroclor 1260	11096-82-5	1	3.2	mg/kg	0.0409	U	0.0373	U	0.0359	U	0.037	U	0.039	U	0.0382	U	0.0375	U	0.0381	U	0.0378	U	0.0359	U	0.0395	U
PCBs, Total	1336-36-3	1	3.2	mg/kg	0.0409	U	0.0373	U	0.0359	U	0.037	U	0.039	U	0.0382	U	0.0375	U	0.0381	U	0.0378	U	0.0359	U	0.0395	U

TABLE 6

SUMMARY OF SOIL ANALYTICAL RESULTS VS. RESTRICTED RESIDENTIAL & PROTECTION OF GROUNDWATER SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Parameter [1]	CasNum	NY-RRSCO [2]	NY-PGW [2]	Units	Location (depth), Sample Date, Lab Data Package No.																			
					MW-1B (2-4) 12/22/2014 L1430926-01	Qual	MW-2B (12-14) 12/23/2014 L1431081-02	Qual	MW-3B (12-14) 12/24/2014 L1431129-01	Qual	MW-4A 10-18' 12/31/2014 L1431383-02	Qual	MW-5A 12-22' 12/30/2014 L1431383-01	Qual	SED-1 12/22/2014 L1430926-02	Qual	SED-2 12/23/2014 L1431081-01	Qual	QA/QC B-9 BLIND DUP #1 12/12/2014 L1430017-04	Qual	QA/QC B-13 BLIND DUP #2 12/15/2014 L1430177-03	Qual	QA/QC SED-1 BLIND DUP #3 12/22/2014 L1430926-03	Qual	VAULT [1] BH-1 (0.8 - 4.0) 5/7/2014	Qual
Volatile Organics by 8260/5035 - Westborough Lab																								
1,2,3-Trichlorobenzene	87-61-6			mg/kg	0.24	U	0.0041	U	0.0056	U	0.007	U	0.0086	U	120	U	0.008	U	0.0047	UJ	0.0068	UJ	120	U	--	
1,2,4-Trimethylbenzene	95-63-6	52	3.6	mg/kg	0.25		0.0041	U	0.0056	U	0.007	U	0.0086	U	120	U	0.008	U	0.0047	U	0.0068	U	0.7	J	--	
1,2-Dichlorobenzene	95-50-1	100	1.1	mg/kg	0.24	U	0.0041	U	0.0056	U	0.007	U	0.0086	U	120	U	0.008	U	0.0047	U	0.0068	U	0.89	J	--	
1,3,5-Trimethylbenzene	108-67-8	52	8.4	mg/kg	0.098	J	0.0041	U	0.0056	U	0.007	U	0.0086	U	120	U	0.008	U	0.0047	U	0.0068	U	12	U	--	
2-Butanone (MEK)	78-93-3	100	0.12	mg/kg	0.49	U	0.0082	U	0.011	U	0.014	U	0.017	U	240	U	0.016	U	0.0095	U	0.014	U	25	U	1	U
Acetone	67-64-1	100	0.05	mg/kg	0.49	UJ	0.0082	U	0.012	J	0.0057	J	0.015	J	240	UJ	0.016	U	0.0095	U	0.0082	J	25	UJ	1	U
Benzene	71-43-2	4.8	0.06	mg/kg	0.049	U	0.00082	U	0.0011	U	0.0014	U	0.0017	U	25	U	0.0016	U	0.00095	U	0.0029		2.5	U	0.051	U
Bromomethane	74-83-9			mg/kg	0.098	U	0.0016	U	0.0022	U	0.0028	U	0.0035	U	50	U	0.0032	U	0.0019	U	0.0027	U	5	U	0.51	U
Carbon disulfide	75-15-0			mg/kg	0.49	U	0.0082	U	0.011	U	0.014	U	0.017	U	250	U	0.016	U	0.0095	U	0.014	U	25	U	0.51	U
Chloromethane	74-87-3			mg/kg	0.24	U	0.0041	U	0.0056	U	0.007	U	0.0086	U	120	U	0.008	U	0.0047	U	0.0068	U	5	U	0.51	U
cis-1,2-Dichloroethene	156-59-2	100	0.25	mg/kg	0.068		0.00082	U	0.0011	U	0.0014	U	0.0017	U	280	J	0.03		0.00095	U	0.0014	U	160	J	0.215	
Cyclohexane	110-82-7			mg/kg	0.86	J	0.016	U	0.022	U	0.028	U	0.035	U	500	U	0.032	U	0.0019	U	0.002	J	50	U	--	
Ethylbenzene	100-41-4	41	1	mg/kg	0.049	U	0.00082	U	0.0011	U	0.0014	U	0.0017	U	25	U	0.0016	U	0.00095	U	0.0014	U	2.5	U	0.21	U
Isopropylbenzene	98-82-8			mg/kg	0.019	J	0.00082	U	0.0011	U	0.0014	U	0.0017	U	25	U	0.0016	U	0.00095	U	0.0014	U	10	U	--	
Methyl cyclohexane	108-87-2			mg/kg	2.8		0.0033	U	0.0045	U	0.0056	U	0.0069	U	100	U	0.0064	U	0.0038	U	0.0064		25	U	--	
Methylene chloride	75-09-2	100	0.05	mg/kg	0.49	U	0.0082	U	0.011	U	0.014	U	0.017	U	250	U	0.016	U	0.0095	U	0.014	U	25	U	0.21	U
n-Butylbenzene	104-51-8	100	12	mg/kg	0.049	U	0.00082	U	0.0011	U	0.0014	U	0.0017	U	25	U	0.0016	U	0.00095	U	0.0014	U	2.5	U	--	
n-Propylbenzene	103-65-1	100	3.9	mg/kg	0.029	J	0.00082	U	0.0011	U	0.0014	U	0.0017	U	25	U	0.0016	U	0.00095	U	0.0014	U	2.5	U	--	
p-Isopropyltoluene (p-Cymene)	99-87-6			mg/kg	0.017	NJ	0.00082	U	0.0011	U	0.0014	U	0.0017	U	25	U	0.0016	U	0.00095	U	0.0014	U	2.5	U	--	
sec-Butylbenzene	135-98-8	100	11	mg/kg	0.022	J	0.00082	U	0.0011	U	0.0014	U	0.0017	U	25	U	0.0016	U	0.00095	U	0.0014	U	2.5	U	--	
Tetrachloroethene	127-18-4	19	1.3	mg/kg	0.16		0.00017	J	0.00035	J	0.0014	U	0.0017	U	3800	J	0.15		0.00095	U	0.0014	U	630	J	0.589	
Toluene	108-88-3	100	0.7	mg/kg	0.073	U	0.0012	U	0.0017	U	0.0021	U	0.0026	U	38	U	0.0024	U	0.0014	U	0.00034	J	3.8	U	0.51	U
trans-1,2-Dichloroethene	156-60-5	100	0.19	mg/kg	0.073	U	0.0012	U	0.0017	U	0.0021	U	0.0026	U	38	U	0.0024	U	0.0014	U	0.002	U	2.5	U	0.21	U
Trichloroethene	79-01-6	21	0.47	mg/kg	0.049	U	0.00082	U	0.0011	U	0.0014	U	0.0017	U	85	J	0.01		0.00095	U	0.0014	U	34	J	0.21	U
Xylene (total)	1330-20-7	100	1.6	mg/kg	0.038	NJ	0.0016	U	0.0022	U	0.0028	U	0.0035	U	50	U	0.0032	U	0.0019	U	0.00061	J	5	U	0.21	U
Semivolatile Organics by GC/MS - Westborough Lab																								
2-Methylnaphthalene	91-57-6			mg/kg	0.22	U	0.22	U	0.22	U	0.25	U	0.24	U	0.076	J	-		0.23	U	0.23	U	0.23	U	-	
Acenaphthene	83-32-9	100	98	mg/kg	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U	0.046	J	-		0.16	U	0.04	J	0.16	U	-	
Acenaphthylene	208-96-8	100	107	mg/kg	0.15	U	0.15	U	0.069	J	0.16	U	0.16	U	0.16	U	-		0.16	U	0.27		0.16	U	-	
Anthracene	120-12-7	100	1,000	mg/kg	0.11	U	0.11	U	0.038	J	0.12	U	0.12	U	0.092	NJ	-		0.12	U	0.25		0.16	U	-	
Benzo(a)anthracene	56-55-3	1	1	mg/kg	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.29		-		0.12	U	0.89	J	0.13		-	
Benzo(a)pyrene	50-32-8	1	22	mg/kg	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U	0.3		-		0.16	U	0.8	J	0.13	J	-	
Benzo(b)fluoranthene	205-99-2	1	1.7	mg/kg	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.52		-		0.12	U	1.3	J	0.24		-	
Benzo(ghi)perylene	191-24-2	100	1,000	mg/kg	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U	0.26		-		0.16	U	0.42		0.12	J	-	
Benzo(k)fluoranthene	207-08-9	3.9	1.7	mg/kg	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.2		-		0.12	U	0.44		0.075	J	-	
Bis(2-ethylhexyl)phthalate	117-81-7			mg/kg	0.18	U	0.18	U	0.18	U	0.21	U	0.2	U	26	J	-		0.19	U	0.19	U	14	J	-	
Butyl benzyl phthalate	85-68-7			mg/kg	0.18	U	0.18	U	0.18	U	0.21	U	0.2	U	0.32		-		0.19	U	0.19	U	0.15	J	-	
Carbazole	86-74-8			mg/kg	0.18	U	0.18	U	0.18	U	0.21	U	0.2	U	0.16	U	-		0.19	U	0.056	J	0.19	U	-	
Chrysene	218-01-9	3.9	1	mg/kg	0.11	U	0.11	U	0.047	J	0.12	U	0.12	U	0.43		-		0.12	U	0.88	J	0.18		-	
Dibenzo(a,h)anthracene	53-70-3	0.33	1,000	mg/kg	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.051	J	-		0.12	U	0.17		0.12	U	-	
Fluoranthene	206-44-0	100	1,000	mg/kg	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.98	J	-		0.12	U	1.4	J	0.41	NJ	-	
Fluorene	86-73-7	100	386	mg/kg	0.18	U	0.18	U	0.18	U	0.21	U	0.2	U	0.077	NJ	-		0.19	U	0.086	J	0.19	U	-	
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	8.2	mg/kg	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U	0.26		-		0.16	U	0.52		0.12	J	-	
Naphthalene	91-20-3	100	12	mg/kg	0.18	U	0.18	U	0.18	U	0.21	U	0.2	U	0.2	U	-		0.19	U	0.067	J	0.19	U	-	
Phenanthrene	85-01-8	100	1,000	mg/kg	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.55	NJ	-		0.12	U	0.3		0.21	NJ	-	
Pyrene	129-00-0	100	1,000	mg/kg	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.72	J	-		0.12	U	1.2	J	0.29	J	-	
Total Metals - Westborough Lab																								
Aluminum, Total	7429-90-5			mg/kg	5500		10000		13000		9900		10000		1500		-		10000		20000		1800		-	
Antimony, Total	7440-36-0			mg/kg	1.3	J	4.3	U	4.2	U	4.7	U	4.6	U	4.6	U	-		4.5	U	4.5	U	0.92	J	-	
Arsenic, Total	7440-38-2	16	16	mg/kg	11		11		11		12		13		3.3		-		8.2		2.1	J	4.3		-	
Barium, Total	7440-39-3	400	820	mg/kg	17		19		21		49		58		15	J	-		65		180		37	J	-	
Beryllium, Total	7440-41-7	72	47	mg/kg	0.3	J	0.38	J	0.44		0.42	J	0.51		0.46	U	-		0.42	J	3.4		0.09	J	-	
Cadmium, Total	7440-43-9	4.3	7.5	mg/kg	0.87	U	0.85	U	0.84	U	0.94	U	0.92	U	0.6	J	-		0.91	U	0.9	U	0.46	J	-	

TABLE 6

SUMMARY OF SOIL ANALYTICAL RESULTS VS. RESTRICTED RESIDENTIAL & PROTECTION OF GROUNDWATER SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Parameter [1]	CasNum	NY-RRSCO [2]	NY-PGW [2]	Units	Location (depth), Sample Date, Lab Data Package No.																		VAULT [1]	
					MW-1B (2-4) 12/22/2014 L1430926-01	Qual	MW-2B (12-14) 12/23/2014 L1431081-02	Qual	MW-3B (12-14) 12/24/2014 L1431129-01	Qual	MW-4A 10-18' 12/31/2014 L1431383-02	Qual	MW-5A 12-22' 12/30/2014 L1431383-01	Qual	SED-1 12/22/2014 L1430926-02	Qual	SED-2 12/23/2014 L1431081-01	Qual	QA/QC B-9 BLIND DUP #1 12/12/2014 L1430017-04	Qual	QA/QC B-13 BLIND DUP #2 12/15/2014 L1430177-03	Qual	QA/QC SED-1 BLIND DUP #3 12/22/2014 L1430926-03	Qual	BH-1 (0.8 - 4.0) 5/7/2014	Qual
Calcium, Total	7440-70-2			mg/kg	3500		44000		36000		48000		42000		110000		-		41000		170000	J	99000		-	
Chromium, Total	7440-47-3	180	NS	mg/kg	12		18		23		16		16		14		-		17		4.4	J	16		-	
Cobalt, Total	7440-48-4			mg/kg	7.8		10		14		9.5		8.7		1.5	J	-		8.1	J	1.3	J	1.9	J	-	
Copper, Total	7440-50-8	270	1,720	mg/kg	45		20		22		27		26		40	J	-		29		6.2	J	97		-	
Iron, Total	7439-89-6			mg/kg	16000		22000		26000		22000		20000		8600		-		21000		5200	J	8400		-	
Lead, Total	7439-92-1	400	450	mg/kg	19		4.3		7		7.7		8.6		21	J	-		8.9		4.3	J	23		-	
Magnesium, Total	7439-95-4			mg/kg	2900		13000		7000		12000		11000		3600		-		10000		14000		4500		-	
Manganese, Total	7439-96-5	2,000	2,000	mg/kg	120		260		290		360		360		190	J	-		300	J	1500		160		-	
Mercury, Total	7439-97-6	0.81	0.73	mg/kg	0.04	J	0.02	J	0.03	J	0.03	J	0.02	J	0.04	J	-		0.03	J	0.02	J	0.19		-	
Nickel, Total	7440-02-0	310	130	mg/kg	32		32		41		25		24		14		-		26		4	J	10		-	
Potassium, Total	7440-09-7			mg/kg	680		990		1200		1400		1500		180	J	-		980		910		210	J	-	
Selenium, Total	7782-49-2	180	4	mg/kg	1.9		1.7	U	1.7	U	0.94	J	0.52	J	1.8	U	-		1.8	U	1.2	J	1.8	U	-	
Silver, Total	7440-22-4	180	8.3	mg/kg	0.87	U	0.85	U	0.84	U	0.25	J	0.34	J	20	J	-		0.91	U	0.9	U	82	J	-	
Sodium, Total	7440-23-5			mg/kg	140	J	130	J	130	J	180	J	180		970	J	-		170	J	1100		2000	J	-	
Thallium, Total	7440-28-0			mg/kg	1.7	U	1.7	U	1.7	U	1.9	U	1.8	U	1.8	UJ	-		1.8	U	1.8	U	1.8	U	-	
Vanadium, Total	7440-62-2			mg/kg	11		16		18		18		19		3.4		-		20		5.1	J	5.1		-	
Zinc, Total	7440-66-6	10,000	2,480	mg/kg	32		66		60		57		57		160	J	-		63		13	J	280	J	-	
Organochlorine Pesticides by GC - Westborough Lab																										
4,4'-DDD	72-54-8	13	14	mg/kg	-		-		-		-		-		-		-		0.0019	U	-		-		-	
4,4'-DDE	72-55-9	8.9	17	mg/kg	-		-		-		-		-		-		-		0.0019	U	-		-		-	
Polychlorinated Biphenyls by GC - Westborough Lab																										
Aroclor 1254	11097-69-1	1	3.2	mg/kg	0.0367	U	0.0353	U	0.0361	U	0.0398	U	0.0382	U	0.0396	U	-		0.0389	U	0.0384	U	0.0384	U	-	
Aroclor 1260	11096-82-5	1	3.2	mg/kg	0.0367	U	0.0353	U	0.0361	U	0.0398	U	0.0382	U	0.0396	U	-		0.0389	U	0.0384	U	0.0384	U	-	
PCBs, Total	1336-36-3	1	3.2	mg/kg	0.0367	U	0.0353	U	0.0361	U	0.0398	U	0.0382	U	0.0396	U	-		0.0389	U	0.0384	U	0.0384	U	-	

TABLE 6

SUMMARY OF SOIL ANALYTICAL RESULTS VS. RESTRICTED RESIDENTIAL & PROTECTION OF GROUNDWATER SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Parameter [1]	CasNum	NY-RRSCO [2]	NY-PGW [2]	Units	Location (depth), Sample Date, Lab Data Package No.											
					LCS PHASE II (MAY 2014)					TURNKEY SUPPLEMENTAL PHASE II (MAY 2014) - UNDER BUILDING						
					BH-3 (6.0-8.0) 5/7/2014	BH-4 (12.0 - 14.0) 5/7/2014	BH-6 (2.0 - 4.0) 5/7/2014	BH-7 (0.5 - 2.0) 5/7/2014	BH-8 (0.5 - 2.0) 5/7/2014	SB-1 (1.5 - 2.0) 5/20/2014	SB-2 (1.0 - 2.5) 5/20/2014	SB-3 (2.5 - 3.0) 5/20/2014	SB-4 (2.5 - 3.0) 5/20/2014	SB-5 (2.5 - 3.0) 5/20/2014	SB-6 (2.5 - 3.0) 5/20/2014
					Qual [3]	Qual [3]	Qual [3]	Qual [3]	Qual [3]	Qual	Qual	Qual	Qual	Qual	Qual
Volatile Organics by 8260/5035 - Westborough Lab															
1,2,3-Trichlorobenzene	87-61-6			mg/kg	--	--	--	--	--	**0.0004 J**	0.0058 U	0.0061 U	0.0059 U	0.011 U	0.011 U
1,2,4-Trimethylbenzene	95-63-6	**52**	**3.6**	mg/kg	--	--	--	--	--	0.0055 U	--	--	--	--	--
1,2-Dichlorobenzene	95-50-1	**100**	**1.1**	mg/kg	--	--	--	--	--	0.0055 U	0.0058 U	0.0061 U	0.0059 U	0.011 U	0.011 U
1,3,5-Trimethylbenzene	108-67-8	**52**	**8.4**	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	78-93-3	**100**	**0.12**	mg/kg	0.85 U	0.0097 U	0.0097 U	1.1 U	0.007 U	0.011 U	0.012 U	0.012 U	0.012 U	0.022 U	0.022 U
Acetone	67-64-1	**100**	**0.05**	mg/kg	0.85 U	0.0097 U	**0.0535**	1.1 U	0.007 U	0.011 U	0.012 U	0.012 U	0.012 U	0.022 U	0.022 U
Benzene	71-43-2	**4.8**	**0.06**	mg/kg	0.043 U	**0.0018**	0.00049 U	0.054 U	**0.001**	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0022 U	0.0022 U
Bromomethane	74-83-9			mg/kg	0.17 U	0.0019 U	0.0019	0.22 U	0.0014 U	0.0055 U	0.0023 U	0.0024 U	0.0023 U	0.0045 U	0.0045 U
Carbon disulfide	75-15-0			mg/kg	0.43 U	0.0048 U	**0.00059 J**	0.54 U	**0.00098 J**	0.011 U	0.012 U	0.012 U	0.012 U	0.022 U	0.022 U
Chloromethane	74-87-3			mg/kg	0.43 U	0.0048 U	0.0049 U	0.54 U	0.0035 U	0.0055 U	0.0058 U	0.0061 U	0.0059 U	0.011 U	0.011 U
cis-1,2-Dichloroethene	156-59-2	**100**	**0.25**	mg/kg	**0.183**	0.0019 U	0.0019 U	0.22 U	0.0014 U	**0.00055 J**	**0.00093 J**	0.0012 U	**0.0046**	**0.00092 J**	**0.028**
Cyclohexane	110-82-7			mg/kg	--	--	--	--	--	0.022 U	0.023 U	0.024 U	**0.013 J**	0.045 U	**0.0048 NJ**
Ethylbenzene	100-41-4	**41**	**1**	mg/kg	--	--	--	--	--	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0022 U	0.0022 U
Isopropylbenzene	98-82-8			mg/kg	--	--	--	--	--	0.0011 U	0.0012 U	0.0012 U	**0.00064 J**	0.0022 U	0.0022 U
Methyl cyclohexane	108-87-2			mg/kg	--	--	--	--	--	0.0044 U	0.0046 U	0.0049 U	**0.053**	0.009 U	**0.029**
Methylene chloride	75-09-2	**100**	**0.05**	mg/kg	0.17 U	0.0019 U	0.0019 U	0.22 U	0.0014 U	0.011 U	0.12 U	0.12 U	0.12 U	0.22 U	0.22 U
n-Butylbenzene	104-51-8	**100**	**12**	mg/kg	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	103-65-1	**100**	**3.9**	mg/kg	--	--	--	--	--	--	--	--	--	--	--
p-Isopropyltoluene (p-Cymene)	99-87-6			mg/kg	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	135-98-8	**100**	**11**	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	127-18-4	**19**	**1.3**	mg/kg	**0.45**	0.0019 U	0.0019 U	0.22 U	0.0014	**0.7**	**0.15**	**0.013**	**0.059**	**2**	**9.9**
Toluene	108-88-3	**100**	**0.7**	mg/kg	0.43 U	**0.0045 J**	0.0049 U	0.54 U	**0.0024 J**	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0036 U	0.0036 U
trans-1,2-Dichloroethene	156-60-5	**100**	**0.19**	mg/kg	0.17 U	0.0019	0.0019	0.22	0.0014	0.0016 U	**0.00056 J**	0.0018 U	0.0018 U	0.0034 U	**0.0026 J**
Trichloroethene	79-01-6	**21**	**0.47**	mg/kg	**0.169 J**	0.0019 U	0.0019 U	0.22 U	0.0014 U	**0.014**	**0.0082**	**0.00091 J**	**0.0065**	**0.016**	**0.14**
Xylene (total)	1330-20-7	**100**	**1.6**	mg/kg	0.17 U	**0.0045**	0.0019 U	0.22 U	**0.003**	0.0016 U	0.0023 U	0.0024 U	**0.00105 J**	0.0045 U	0.0045 U
Semivolatile Organics by GC/MS - Westborough Lab															
2-Methylnaphthalene	91-57-6			mg/kg	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	83-32-9	**100**	**98**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	208-96-8	**100**	**107**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Anthracene	120-12-7	**100**	**1,000**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	56-55-3	**1**	**1**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	50-32-8	**1**	**22**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	205-99-2	**1**	**1.7**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	191-24-2	**100**	**1,000**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	207-08-9	**3.9**	**1.7**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	117-81-7			mg/kg	-	-	-	-	-	-	-	-	-	-	-
Butyl benzyl phthalate	85-68-7			mg/kg	-	-	-	-	-	-	-	-	-	-	-
Carbazole	86-74-8			mg/kg	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	**3.9**	**1**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	53-70-3	**0.33**	**1,000**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	**100**	**1,000**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Fluorene	86-73-7	**100**	**386**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	193-39-5	**0.5**	**8.2**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	**100**	**12**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	85-01-8	**100**	**1,000**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Pyrene	129-00-0	**100**	**1,000**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Total Metals - Westborough Lab															
Aluminum, Total	7429-90-5			mg/kg	-	-	-	-	-	-	-	-	-	-	-
Antimony, Total	7440-36-0			mg/kg	-	-	-	-	-	-	-	-	-	-	-
Arsenic, Total	7440-38-2	**16**	**16**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Barium, Total	7440-39-3	**400**	**820**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Beryllium, Total	7440-41-7	**72**	**47**	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Cadmium, Total	7440-43-9	**4.3**	**7.5**	mg/kg	-	-	-	-	-	-	-	-	-	-	-

TABLE 6

SUMMARY OF SOIL ANALYTICAL RESULTS VS. RESTRICTED RESIDENTIAL & PROTECTION OF GROUNDWATER SCOs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Parameter [1]	CasNum	NY-RRSCO [2]	NY-PGW [2]	Units	Location (depth), Sample Date, Lab Data Package No.											
					LCS PHASE II (MAY 2014)					TURNKEY SUPPLEMENTAL PHASE II (MAY 2014) - UNDER BUILDING						
					BH-3 (6.0-8.0) 5/7/2014	Qual [3]	BH-4 (12.0 - 14.0) 5/7/2014	Qual [3]	BH-6 (2.0 - 4.0) 5/7/2014	Qual [3]	BH-7 (0.5 - 2.0) 5/7/2014	Qual [3]	BH-8 (0.5 - 2.0) 5/7/2014	Qual [3]	SB-1 (1.5 - 2.0) 5/20/2014	Qual	SB-2 (1.0 - 2.5) 5/20/2014	Qual	SB-3 (2.5 - 3.0) 5/20/2014	Qual	SB-4 (2.5 - 3.0) 5/20/2014	Qual	SB-5 (2.5 - 3.0) 5/20/2014	Qual	SB-6 (2.5 - 3.0) 5/20/2014	Qual
Calcium, Total	7440-70-2			mg/kg	-		-		-		-		-		-		-		-		-		-	
Chromium, Total	7440-47-3	**180**	**NS**	mg/kg	-		-		-		-		-		-		-		-		-		-	
Cobalt, Total	7440-48-4			mg/kg	-		-		-		-		-		-		-		-		-		-	
Copper, Total	7440-50-8	**270**	**1,720**	mg/kg	-		-		-		-		-		-		-		-		-		-	
Iron, Total	7439-89-6			mg/kg	-		-		-		-		-		-		-		-		-		-	
Lead, Total	7439-92-1	**400**	**450**	mg/kg	-		-		-		-		-		-		-		-		-		-	
Magnesium, Total	7439-95-4			mg/kg	-		-		-		-		-		-		-		-		-		-	
Manganese, Total	7439-96-5	**2,000**	**2,000**	mg/kg	-		-		-		-		-		-		-		-		-		-	
Mercury, Total	7439-97-6	**0.81**	**0.73**	mg/kg	-		-		-		-		-		-		-		-		-		-	
Nickel, Total	7440-02-0	**310**	**130**	mg/kg	-		-		-		-		-		-		-		-		-		-	
Potassium, Total	7440-09-7			mg/kg	-		-		-		-		-		-		-		-		-		-	
Selenium, Total	7782-49-2	**180**	**4**	mg/kg	-		-		-		-		-		-		-		-		-		-	
Silver, Total	7440-22-4	**180**	**8.3**	mg/kg	-		-		-		-		-		-		-		-		-		-	
Sodium, Total	7440-23-5			mg/kg	-		-		-		-		-		-		-		-		-		-	
Thallium, Total	7440-28-0			mg/kg	-		-		-		-		-		-		-		-		-		-	
Vanadium, Total	7440-62-2			mg/kg	-		-		-		-		-		-		-		-		-		-	
Zinc, Total	7440-66-6	**10,000**	**2,480**	mg/kg	-		-		-		-		-		-		-		-		-		-	
Organochlorine Pesticides by GC - Westborough Lab																								
4,4'-DDD	72-54-8	**13**	**14**	mg/kg	-		-		-		-		-		-		-		-		-		-	
4,4'-DDE	72-55-9	**8.9**	**17**	mg/kg	-		-		-		-		-		-		-		-		-		-	
Polychlorinated Biphenyls by GC - Westborough Lab																								
Aroclor 1254	11097-69-1	**1**	**3.2**	mg/kg	-		-		-		-		-		-		-		-		-		-	
Aroclor 1260	11096-82-5	**1**	**3.2**	mg/kg	-		-		-		-		-		-		-		-		-		-	
PCBs, Total	1336-36-3	**1**	**3.2**	mg/kg	-		-		-		-		-		-		-		-		-		-	

Notes:

1. Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one sample are included on the summary sheets.
2. Part 375 restricted residential soil cleanup objectives (RRSCOs) and protection of groundwater SCOs (PGW).
3. Validated data and qualifiers are in **RED.**
4. Data not validated.

Qualifier Key:

NJ The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated qantitative value.
J The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
U The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
UJ The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.

Color Code:

= concentration exceeds the Part 375 Restricted Residential Soil Cleanup Objective (SCO) and the Protection of Groundwater SCO.
= concentration exceeds the Part 375 Restricted Residential SCO
= concentration exceeds the Part 375 Protection of Groundwater SCO.

TABLE 7

SUMMARY OF HISTORICAL GROUNDWATER RESULTS VS. GWQSs/GVs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Parameter [1]	CasNum	NY-GWQS [2]	Units	Temporary Well Location, Sand Interval, Screened Interval, Sample Date, & Lab Data Package No.										
				TPMW-1	TPMW-2	TPMW-3	TPMW-4	TPMW-5	TPMW-6	TPMW-7	TPMW-8	TPMW-9	TPMW-10	TPMW-11
				0.5 - 16.0	0.5 - 18.2	0.5 - 18.4	0.5 - 18.5	0.5 - 16	0.5 - 16.0	NA	NA	NA	NA	NA
				4.9 - 16.0	5.9 - 18.2	7.9 - 18.4	4.9 - 18.5	4.9 - 16	4.9 - 16.0	5.0 - 10.0	10.0 - 15.0	9.0 - 14.0	5 - 15.0	10.0 - 15.0
				05/07/2014	05/07/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	5/22/2014	5/22/2014	5/22/2014	5/22/2014	5/22/2014
				MC30395	MC30395	MC30471	MC30471	MC30471	MC30471	L1411100	L1411100	L1411100	L1411100	L1411100
				Qual [4]	Qual [4]	Qual [4]	Qual [4]	Qual [4]	Qual [4]	Qual	Qual	Qual	Qual	Qual
Volatile Organics by GC/MS - Westborough Lab														
1,1-Dichloroethene	75-35-4	**0.005**	mg/L	0.00061	0.00066 J	0.00061 U	0.00061 U	0.00061 U	0.00061 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.00024 J
Acetone	67-64-1	**0.05**	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.003 J	0.0042 J	0.0076	0.013	0.007
Benzene	71-43-2	**0.001**	mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.00016 J	0.0005 U	0.0005 U	0.0012
Chloroform	67-66-3	**0.007**	mg/L	0.0017	0.00041	0.00041 U	0.00041 U	0.00041 U	0.00041 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
cis-1,2-Dichloroethene	156-59-2	**0.005**	mg/L	0.0673	0.165	0.00084 U	0.00084 U	0.00084 U	0.00084 U	0.03	0.0025 U	0.0025 U	0.0025 U	0.087
Cyclohexane	110-82-7		mg/L	--	--	--	--	--	--	0.00035 J	0.00054 J	0.0043 J	0.0013 J	0.0038 J
Methyl cyclohexane	108-87-2		mg/L	--	--	--	--	--	--	0.00065 J	0.00074 J	0.01	0.0013 J	0.0082 J
Methyl tert butyl ether	1634-04-4	**0.01**	mg/L	--	--	--	--	--	--	0.0025 U	0.0025 U	0.0025 U	0.0019 J	0.0025 U
Tetrachloroethene	127-18-4	**0.005**	mg/L	0.0716	0.015	0.00059 U	0.00059 U	0.00059 U	0.00059 U	0.002	0.0005 U	0.0005 U	0.0005 U	0.015
trans-1,2-Dichloroethene	156-60-5	**0.005**	mg/L	0.00077 J	0.0043	0.00051 U	0.00051 U	0.00051 U	0.00051 U	0.0018 J	0.0025 U	0.0025 U	0.0025 U	0.0012 J
Trichloroethene	79-01-6	**0.005**	mg/L	0.0269	0.0224	0.00047 U	0.00047 U	0.00047 U	0.00047 U	0.002	0.0005 U	0.0005 U	0.0005 U	0.011
Vinyl chloride	75-01-4	**0.002**	mg/L	0.00058 U	0.0024	0.00058 U	0.00058 U	0.00058 U	0.00058 U	0.0027	0.001 U	0.001 U	0.001 U	0.011
Xylenes, Total	1330-20-7	**0.005**	mg/L	0.00054 J	0.00036	0.00036 U	0.00036 U	0.00036 U	0.00036 U	0.0025 U	0.0025 U	0.001 J	0.0025 U	0.0025 U
Total cVOCs	***NA***	***NA***	***mg/L***	***0.16888***	***0.21017***	***ND***	***ND***	***ND***	***ND***	***0.0385***	***ND***	***ND***	***ND***	***0.12544***

Notes:

1. Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one sample are included on the summary sheets.
2. NYS Ambient Water Quality Class GA Groundwater Quality Standards/Guidance Values; NYSDEC June 1998 Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1
3. Validated data and qualifiers are in **RED.**
4. Data not validated.

Qualifier Key:

J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.

Color Code:

= chlorinated VOCs (cVOCs) are highlighted in BLUE
= concentration exceeds the NYSDEC Class GA GWQS/GV.

TABLE 8

SUMMARY OF ROUND 1 GROUNDWATER & STORM WATER ANALYTICAL RESULTS VS. GWQSs/GVs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Parameter [1]	CasNum	NY-GWQS	Units	Monitoring Location, Sample Date, Lab Data Package No.								
				CB-3 1/13/2015 L1500727	MW-1A 1/12/2015 L1500729	MW-1B 1/12/2015 L1500729	MW-2A 1/12/2015 L1500729	MW-2B 1/12/2015 L1500729	MW-3A 1/13/2015 L1500729	MW-3B 1/13/2015 L1500729	MW-4A 1/12/2015 L1500729	MW-5A 1/12/2015 L1500729
				Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
Field Measurements												
Field pH	NA	**6.5 - 8.5**	S.U	-	7.29	7.39	7.11	7.34	7.11	7.31	6.89	7.34
Temperature	NA	-	DEG C	-	6.7	8.8	9.7	10.1	6.1	8.3	10.3	9.3
Specific Conductance	NA	-	UMHOS/CM	-	1689	1420	1548	1535	1028	900	1586	1203
Turbidity	NA	-	NTU	-	1.98	20.6	21.8	23	221	14.8	610	132
Dissolved Oxygen	NA	-	MG/L	-	3.47	2.5	4.08	2.53	3.66	2.27	1.59	7.9
Redox Potential	NA	-	mV	-	185	-75	53	38	127	62	23	145
Volatile Organics by GC/MS - Westborough Lab												
Acetone	67-64-1	**0.05**	mg/l	0.014	0.005 UJ	0.005 UJ	0.0019 J	0.005 UJ	0.0043 J	0.005 UJ	0.0026 J	0.0039 J
Carbon disulfide	75-15-0	**0.06**	mg/l	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0019 J	0.005 U	0.005 U	0.005 U
Chloroform	67-66-3	**0.007**	mg/l	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
cis-1,2-Dichloroethene	156-59-2	**0.005**	mg/l	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.022	0.0025 U
Cyclohexane	110-82-7		mg/l	0.0037 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	108-87-2		mg/l	0.0022 J	0.01 U	0.01 U	0.01 U	0.0021 J	0.01 U	0.00085 J	0.01 U	0.01 U
Methyl tert butyl ether	1634-04-4	**0.01**	mg/l	0.0025 U	0.0013 J	0.0017 J	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Tetrachloroethene	127-18-4	**0.005**	mg/l	0.0017	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Trichloroethene	79-01-6	**0.005**	mg/l	0.00044 J	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Total cVOCs	***NA***	***NA***	***mg/l***	***0.00214***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***0.022***	***ND***
Semivolatile Organics by GC/MS - Westborough Lab												
Bis(2-Ethylhexyl)phthalate	117-81-7	**0.005**	mg/l	-	0.0062 U	0.0027 U	0.0074 U	0.0062 U	0.0025 U	0.006 U	0.0075 U	0.0067 U
Naphthalene	91-20-3	**0.01**	mg/l	-	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0001 J	0.0002 U
General Chemistry - Westborough Lab												
Nitrogen, Nitrate	14797-55-8	**10**	mg/l	-	0.1 U	-	-	-	-	-	-	-
Total Organic Carbon	7440-44-0		mg/l	-	6.74	-	-	-	-	-	-	-
Anions by Ion Chromatography - Westborough Lab												
Sulfate	14808-79-8	**250**	mg/l	-	120	-	-	-	-	-	-	-
Dissolved Gases by GC - Mansfield Lab												
Ethane	74-84-0		mg/l	-	0.0121	-	-	-	-	-	-	-
Ethene	74-85-1		mg/l	-	0.0005 U	-	-	-	-	-	-	-
Methane	74-82-8		mg/l	-	0.0404	-	-	-	-	-	-	-
Total Metals - Westborough Lab												
Aluminum, Total	7429-90-5		mg/l	-	0.283	0.59	0.123 U	0.0977 U	3.44	0.142 U	7.84	0.273 U
Antimony, Total	7440-36-0	**0.003**	mg/l	-	0.00088 J	0.00144 U	0.00089 U	0.00123 U	0.00084 U	0.00073 U	0.00074 U	0.00112 U
Arsenic, Total	7440-38-2	**0.025**	mg/l	-	0.00075	0.00473	0.00076 U	0.00373	0.00352	0.0024	0.00344	0.0014
Barium, Total	7440-39-3	**1**	mg/l	-	0.02212	0.0454 U	0.05055 U	0.09085	0.06757 U	0.03366 U	0.1501	0.0345 U
Beryllium, Total	7440-41-7	**0.003**	mg/l	-	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.00016 J	0.0005 U	0.00029 J	0.0005 U
Cadmium, Total	7440-43-9	**0.005**	mg/l	-	0.00005 J	0.0002 U	0.0002 U	0.0002 U	0.00012 J	0.0002 U	0.00015 J	0.00006 J
Calcium, Total	7440-70-2		mg/l	-	154	143	149	161	233	179	291	210
Chromium, Total	7440-47-3	**0.05**	mg/l	-	0.00103	0.00129 U	0.00094 U	0.00042 U	0.00749	0.00071 U	0.01221	0.0013 U
Cobalt, Total	7440-48-4		mg/l	-	0.00133	0.00028	0.00096	0.00012 J	0.00459	0.00015 J	0.00678	0.00204
Copper, Total	7440-50-8	**0.2**	mg/l	-	0.00179	0.001 U	0.00117 U	0.001 U	0.0048 U	0.00026 U	0.01189 U	0.00215 U
Iron, Total	7439-89-6	**0.3**	mg/l	-	1.18	3.33	0.2 U	0.69	6.84	1.55	14.2	0.483
Lead, Total	7439-92-1	**0.025**	mg/l	-	0.00047 J	0.00023 U	0.00014 U	0.00013 U	0.00207 U	0.001 U	0.00488 U	0.00045 U
Magnesium, Total	7439-95-4	**35**	mg/l	-	44.8	28.3 J	28.9	31.2	39.7 J	29.8 J	105	31.1 J

TABLE 8

SUMMARY OF ROUND 1 GROUNDWATER & STORM WATER ANALYTICAL RESULTS VS. GWQSs/GVs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Parameter [1]	CasNum	NY-GWQS	Units	Monitoring Location, Sample Date, Lab Data Package No.									
				CB-3 1/13/2015 L1500727	Qual	MW-1A 1/12/2015 L1500729	Qual	MW-1B 1/12/2015 L1500729	Qual	MW-2A 1/12/2015 L1500729	Qual	MW-2B 1/12/2015 L1500729	Qual
Manganese, Total	7439-96-5	**0.3**	mg/l	-		0.5738		0.04111	U	0.4908		0.04305	U
Nickel, Total	7440-02-0	**0.1**	mg/l	-		0.00361		0.00146		0.00303		0.00132	
Potassium, Total	7440-09-7		mg/l	-		1.17		6.25		12.6		11.8	
Sodium, Total	7440-23-5	**20**	mg/l	-		173		77.4		114		80.4	
Thallium, Total	7440-28-0	**0.0005**	mg/l	-		0.0005	U	0.0005	U	0.00006	J	0.0005	U
Vanadium, Total	7440-62-2		mg/l	-		0.00082	J	0.00182	J	0.005	U	0.005	U
Zinc, Total	7440-66-6	**2**	mg/l	-		0.0057	J	0.00569	J	0.00739	J	0.01	U
Dissolved Metals - Westborough Lab													
Aluminum, Dissolved	7429-90-5		mg/l	-		-		0.003	U	-		-	
Antimony, Dissolved	7440-36-0	**0.003**	mg/l	-		-		0.0004	U	-		-	
Arsenic, Dissolved	7440-38-2	**0.025**	mg/l	-		-		0.0041		-		-	
Barium, Dissolved	7440-39-3	**1**	mg/l	-		-		0.0486	U	-		-	
Beryllium, Dissolved	7440-41-7	**0.003**	mg/l	-		-		0.0005	U	-		-	
Cadmium, Dissolved	7440-43-9	**0.005**	mg/l	-		-		0.0001	J	-		-	
Calcium, Dissolved	7440-70-2		mg/l	-		-		144		-		-	
Chromium, Dissolved	7440-47-3	**0.05**	mg/l	-		-		0.0004	J	-		-	
Cobalt, Dissolved	7440-48-4		mg/l	-		-		0.0001	J	-		-	
Copper, Dissolved	7440-50-8	**0.2**	mg/l	-		-		0.0004	U	-		-	
Iron, Dissolved	7439-89-6	**0.3**	mg/l	-		0.143		1.78		-		-	
Lead, Dissolved	7439-92-1	**0.025**	mg/l	-		-		0.001	U	-		-	
Magnesium, Dissolved	7439-95-4	**35**	mg/l	-		-		56	J	-		-	
Manganese, Dissolved	7439-96-5	**0.3**	mg/l	-		-		0.0294	U	-		-	
Nickel, Dissolved	7440-02-0	**0.1**	mg/l	-		-		0.0007		-		-	
Potassium, Dissolved	7440-09-7		mg/l	-		-		6.18		-		-	
Sodium, Dissolved	7440-23-5	**20**	mg/l	-		-		77.7		-		-	
Thallium, Dissolved	7440-28-0	**0.0005**	mg/l	-		-		0.0002	U	-		-	
Vanadium, Dissolved	7440-62-2		mg/l	-		-		0.005	U	-		-	
Zinc, Dissolved	7440-66-6	**2**	mg/l	-		-		0.0112	J	-		-	

Parameter [1]	CasNum	NY-GWQS	Units	MW-3A 1/13/2015 L1500729	Qual	MW-3B 1/13/2015 L1500729	Qual	MW-4A 1/12/2015 L1500729	Qual	MW-5A 1/12/2015 L1500729	Qual
Manganese, Total	7439-96-5	**0.3**	mg/l	0.5296		0.06631	U	0.3566		0.3298	
Nickel, Total	7440-02-0	**0.1**	mg/l	0.01321		0.00074		0.01989		0.00533	
Potassium, Total	7440-09-7		mg/l	20.4		7.78		5.62		2.92	J
Sodium, Total	7440-23-5	**20**	mg/l	88.5	J	40.1	J	62.9		32.2	
Thallium, Total	7440-28-0	**0.0005**	mg/l	0.00007	J	0.0005	U	0.00013	J	0.00007	J
Vanadium, Total	7440-62-2		mg/l	0.00657		0.005	U	0.01465		0.00086	J
Zinc, Total	7440-66-6	**2**	mg/l	0.02622		0.00286	J	0.04199		0.00742	J
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	7429-90-5		mg/l	0.007	U	0.004	U	0.003	U	0.013	U
Antimony, Dissolved	7440-36-0	**0.003**	mg/l	0.0007	U	0.0007	U	0.0005	U	0.0007	U
Arsenic, Dissolved	7440-38-2	**0.025**	mg/l	0.0033		0.0023		0.0012		0.001	
Barium, Dissolved	7440-39-3	**1**	mg/l	0.0531	U	0.0314	U	0.1139		0.0315	U
Beryllium, Dissolved	7440-41-7	**0.003**	mg/l	0.0005	U	0.0005	U	0.0005	U	0.0005	U
Cadmium, Dissolved	7440-43-9	**0.005**	mg/l	0.0001	J	0.0002	U	0.0002	U	0.0001	J
Calcium, Dissolved	7440-70-2		mg/l	222		164		228		194	
Chromium, Dissolved	7440-47-3	**0.05**	mg/l	0.0005	U	0.0005	U	0.0005	U	0.0008	U
Cobalt, Dissolved	7440-48-4		mg/l	0.0026		0.0001	J	0.0012		0.002	
Copper, Dissolved	7440-50-8	**0.2**	mg/l	0.0007	U	0.001	U	0.001	U	0.0013	U
Iron, Dissolved	7439-89-6	**0.3**	mg/l	0.645		1.21		1.31		0.025	U
Lead, Dissolved	7439-92-1	**0.025**	mg/l	0.001	U	0.001	U	0.001	U	0.001	U
Magnesium, Dissolved	7439-95-4	**35**	mg/l	82.6	J	66.9	J	96.4		69.9	J
Manganese, Dissolved	7439-96-5	**0.3**	mg/l	0.5029		0.0649	U	0.1459		0.331	
Nickel, Dissolved	7440-02-0	**0.1**	mg/l	0.0054		0.0009		0.0027		0.005	
Potassium, Dissolved	7440-09-7		mg/l	21.1		8.53		5.32		5.01	J
Sodium, Dissolved	7440-23-5	**20**	mg/l	103	J	63	J	70.3		30.2	
Thallium, Dissolved	7440-28-0	**0.0005**	mg/l	0.0002	U	0.0002	U	0.0002	U	0.0001	J
Vanadium, Dissolved	7440-62-2		mg/l	0.005	U	0.005	U	0.005	U	0.005	U
Zinc, Dissolved	7440-66-6	**2**	mg/l	0.0065	J	0.01	U	0.0035	J	0.0044	J

Notes:

1. Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one sample are included on the summary sheets.
2. NYS Ambient Water Quality Class GA Groundwater Quality Standards/Guidance Values; NYSDEC June 1998 Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1
3. Validated data and qualifiers are in **RED.**

Qualifier Key:

J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
UJ = The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.

Color Code:

= chlorinated VOCs (cVOCs) are highlighted in BLUE
= concentration exceeds the NYSDEC Class GA GWQS/GV.

TABLE 9

SUMMARY OF ROUND 2 GROUNDWATER ANALYTICAL RESULTS VS. GWQSs/GVs (QUALIFIED)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Parameter	CasNum	NY-AWQS	Units	Monitoring Location, Sample Date, & Lab Data Package No.									
				MW-1A 3/25/2015 L1506003	Qual	MW-1B 3/25/2015 L1506003	Qual	MW-2A 3/25/2015 L1506003	Qual	MW-2B 3/25/2015 L1506003	Qual	MW-3A 3/25/2015 L1506003	Qual
Volatile Organics by GC/MS - Westborough Lab													
Acetone	67-64-1	0.05	mg/L	0.005	U	0.005	U	0.0019	J	0.005	U	0.0019	J
Carbon disulfide	75-15-0	0.06	mg/L	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	67-66-3	0.007	mg/L	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
cis-1,2-Dichloroethene	156-59-2	0.005	mg/L	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
Cyclohexane	110-82-7	--	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Methyl cyclohexane	108-87-2	--	mg/L	0.01	U	0.01	U	0.01	U	0.0024	J	0.01	U
Methyl tert butyl ether	1634-04-4	0.01	mg/L	0.0012	J	0.0016	J	0.0025	U	0.0016	J	0.0025	U
Tetrachloroethene	127-18-4	0.005	mg/L	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
Trichloroethene	79-01-6	0.005	mg/L	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
Total cVOCs	***NA***	***NA***	***mg/L***	***ND***		***ND***		***ND***		***ND***		***ND***	

Parameter	CasNum	NY-AWQS	Units	Monitoring Location, Sample Date, & Lab Data Package No.									
				MW-3B 3/25/2015 L1506003	Qual	MW-4A 3/25/2015 L1506003	Qual	MW-5A 3/25/2015 L1506003	Qual	EQUIPMENT BLANK 3/25/2015 L1506003	Qual	TRIP BLANK 3/25/2015 L1506003	Qual
Volatile Organics by GC/MS - Westborough Lab													
Acetone	67-64-1	0.05	mg/L	0.005	U	0.005	U	0.0098		0.005	U	0.005	U
Carbon disulfide	75-15-0	0.06	mg/L	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	67-66-3	0.007	mg/L	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
cis-1,2-Dichloroethene	156-59-2	0.005	mg/L	0.0025	U	0.024		0.0025	U	0.0025	U	0.0025	U
Cyclohexane	110-82-7	--	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Methyl cyclohexane	108-87-2	--	mg/L	0.00085	J	0.00085	J	0.00085	J	0.01	U	0.01	U
Methyl tert butyl ether	1634-04-4	0.01	mg/L	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
Tetrachloroethene	127-18-4	0.005	mg/L	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
Trichloroethene	79-01-6	0.005	mg/L	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
Total cVOCs	***NA***	***NA***	***mg/L***	***ND***		***0.024***		***ND***		***ND***		***ND***	

Notes:

1. Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one sample are included on the summary sheets.
2. NYS Ambient Water Quality Class GA Groundwater Quality Standards/Guidance Values; NYSDEC June 1998 Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1
3. Validated data and qualifiers are in **RED.**

Qualifier Key:

J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.

Color Code:

= chlorinated VOCs (cVOCs) are highlighted in BLUE
= concentration exceeds the NYSDEC Class GA GWQS/GV.

TABLE 10

SUMMARY OF PRE-REMEDIAL SOIL VAPOR ANALYTICAL RESULTS

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Compound [1]	CasNum	Units	Sample Location, Collection Date, Laboratory Report No., and Qualifier									
			SUBSLAB VAPOR 5/21/2014 L1410983	Qual	INDOOR AIR 5/21/2014 L1410982	Qual	OUTDOOR AIR 5/21/2014 L1410982	Qual	SV-2 12/12/2014 L1430062	Qual	SV-3 12/12/2014 L1430062	Qual
Volatile Organic Compounds - TO-15												
1,1,1-Trichloroethane	71-55-6	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1,2-Trichloroethane	79-00-5	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1-Dichloroethane	75-34-3	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1-Dichloroethene	75-35-4	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2,4-Trichlorobenzene	120-82-1	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2,4-Trimethylbenzene	95-63-6	ug/m3	0.46		0.338		0.2	U	0.338		0.383	
1,2-Dibromoethane	106-93-4	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-Dichlorobenzene	95-50-1	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-Dichloroethane	107-06-2	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-Dichloropropane	78-87-5	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,3,5-Trimethylbenzene	108-67-8	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,3-Butadiene	106-99-0	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,3-Dichlorobenzene	541-73-1	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,4-Dichlorobenzene	106-46-7	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,4-Dioxane	123-91-1	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
2,2,4-Trimethylpentane	540-84-1	ug/m3	0.2	U	0.2	U	0.2	U	0.62		0.708	
2-Butanone	78-93-3	ug/m3	0.705		0.704		0.249		1.07		0.993	
2-Hexanone	591-78-6	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
3-Chloropropene	107-05-1	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
4-Ethyltoluene	622-96-8	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
4-Methyl-2-pentanone	108-10-1	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Acetone	67-64-1	ug/m3	10.6		11.2		3.72		7.78		6.31	
Benzene	71-43-2	ug/m3	0.2	U	0.2	U	0.297		0.905		0.868	
Benzyl chloride	100-44-7	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromodichloromethane	75-27-4	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromoform	75-25-2	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromomethane	74-83-9	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Carbon disulfide	75-15-0	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Carbon tetrachloride	56-23-5	ug/m3	0.2	U	0.054		0.052		0.2	U	0.2	U
Chlorobenzene	108-90-7	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Chloroethane	75-00-3	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Chloroform	67-66-3	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Chloromethane	74-87-3	ug/m3	0.528		0.6		0.561		0.247		0.275	
cis-1,2-Dichloroethene	156-59-2	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
cis-1,3-Dichloropropene	10061-01-5	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U

TABLE 10

SUMMARY OF PRE-REMEDIAL SOIL VAPOR ANALYTICAL RESULTS

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Compound [1]	CasNum	Units	Sample Location, Collection Date, Laboratory Report No., and Qualifier									
			SUBSLAB VAPOR 5/21/2014 L1410983	Qual	INDOOR AIR 5/21/2014 L1410982	Qual	OUTDOOR AIR 5/21/2014 L1410982	Qual	SV-2 12/12/2014 L1430062	Qual	SV-3 12/12/2014 L1430062	Qual
Cyclohexane	110-82-7	ug/m3	0.2	U	0.2	U	0.2	U	0.488		0.475	
Dibromochloromethane	124-48-1	ug/m3	0.326		0.2	U	0.2	U	0.2	U	0.2	U
Dichlorodifluoromethane	75-71-8	ug/m3	0.2	U	0.421		0.29		1.07		0.378	
Ethanol	64-17-5	ug/m3	11.7		13.4		0.2	U	56.6		59.7	
Ethyl Acetate	141-78-6	ug/m3	0.5	U	0.5	U	0.5	U	10.9		10.8	
Ethylbenzene	100-41-4	ug/m3	0.226		0.236		0.2	U	0.528		0.594	
Freon-113	76-13-1	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Freon-114	76-14-2	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Heptane	142-82-5	ug/m3	0.2	U	0.2	U	0.2	U	0.963		0.951	
Hexachlorobutadiene	87-68-3	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Isopropanol	67-63-0	ug/m3	1		1.17		0.5	U	8.13		8.88	
Methyl tert butyl ether	1634-04-4	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Methylene chloride	75-09-2	ug/m3	4.79		7.92		1.47		0.5	U	0.5	U
n-Hexane	110-54-3	ug/m3	0.2	U	0.211		0.2	U	1.54		1.67	
o-Xylene	95-47-6	ug/m3	0.337		0.319		0.2	U	0.631		0.683	
p/m-Xylene	179601-23-1	ug/m3	0.862		0.836		0.2	U	1.8		1.97	
Styrene	100-42-5	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Tertiary butyl Alcohol	75-65-0	ug/m3	0.5	U	0.5	U	0.5	U	0.535		0.543	
Tetrachloroethene	127-18-4	ug/m3	0.58		0.471		0.038		0.2	U	0.2	U
Tetrahydrofuran	109-99-9	ug/m3	0.2	U	0.2	U	0.2	U	0.357		0.438	
Toluene	108-88-3	ug/m3	1.13		1.1		0.583		4.51		4.48	
trans-1,2-Dichloroethene	156-60-5	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
trans-1,3-Dichloropropene	10061-02-6	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	79-01-6	ug/m3	0.2	U	0.2	U	0.2	U	0.204		0.2	U
Trichlorofluoromethane	75-69-4	ug/m3	0.268		0.291		0.241		1.24		0.547	
Vinyl bromide	593-60-2	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Vinyl chloride	75-01-4	ug/m3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U

Notes:

1. All TO-15 VOCs are included on the table.

Qualifier Key:

U = Not detected at the reported detection limit for the sample.

Color Code:

blue = one of seven compounds regulated by the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006 / June 2007).

TABLE 11

STANDARDS, CRITERIA, AND GUIDANCE (SCGs)

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Citation	Title	Regulatory Agency
General		
29 CFR 1910.120	Hazardous Waste Operations and Emergency Response	US Dept. of Labor, OSHA
29 CFR 1910.1000	OSHA General Industry Air Contaminants Standard	US Dept. of Labor, OSHA
29 CFR 1926	Safety and Health Regulations for Construction	US Dept. of Labor, OSHA
Not Applicable	Analytical Services Protocol	NYSDEC
6NYCRR Part 608	Use and Protection of Waters	NYSDEC
6NYCRR Part 621	Uniform Procedures Regulations	NYSDEC
6NYCRR Parts 750-757	State Pollutant Discharge Elimination System	NYSDEC
Section 404	Clean Water Act	USACE
Soil		
6NYCRR Part 375	Environmental Remediation Programs	NYSDEC
DEC Policy CP-51	Soil Cleanup Guidance	NYSDEC
Groundwater		
6NYCRR Part 700-705	Surface Water and Ground Water Classification Standards	NYSDEC
TOGS 1.1.1	Ambient Water Quality Standards and Guidance Values	NYSDEC
TOGS 2.1.3	Primary and Principal Aquifer	NYSDEC
Air		
DER-10 Appendix 1B	Fugitive Dust Suppression and Particulate Monitoring Program at Inactive Hazardous Waste Sites	NYSDEC
NYSDOH, October 2006	Final - Guidance for Evaluating Soil Vapor Intrusion in the State of New York	NYSDOH
Solid Waste		
6NYCRR 360	Solid Waste Management Facilities	NYSDEC
6NYCRR 364	Waste Transporters	NYSDEC

TABLE 12

ALTERNATIVE 2: COST ESTIMATE FOR TRACK 1 CLEANUP

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Item	Quantity	Units	Unit Cost	Total Cost
Impacted Soil/Fill Removal				
Oversight/Monitoring Labor and Expenses	1	LS	$ 15,000	$ 15,000
Cut Concrete Floor	280	LF	$ 5	$ 1,400
Remove Concrete Floor	4,900	SF	$ 5	$ 24,500
Dumpster Rental	6	EA	$ 500	$ 3,000
Off-site Disposal	120	TON	$ 35	$ 4,200
Soil/Fill Excavation & Dewatering (15 fbgs)	7,200	CY	$ 15	$ 108,000
Transportation & Disposal at TSDF (non-haz)	11,520	TON[1]	$ 40	$ 460,800
Verification Sampling	1	LS	$ 10,000	$ 10,000
Subtotal:				**$ 626,900**
Site Restoration				
Oversight/Monitoring Labor and Expenses	1	LS	$ 7,000	$ 7,000
New 4" Concrete Floor	4,900	SF	$ 6.50	$ 31,850
Part 375[2] Compliant Backfill, Place & Compact	11,520	TON	$ 5	$ 57,600
Asphalt (surface prep, base, 4" placed)	5,550	SF	$ 5.50	$ 30,525
Subtotal:				**$ 126,975**
Vault Cover System and Restoration				
Vault Structural Fill[2] (42' x 42 'x 3'), purchase/deliver	294	TON	$ 15	$ 4,410
Compaction Equipment	1	LS	$ 2,000	$ 2,000
1-Foot Concrete Slab	1,764	SF	$ 20	$ 35,280
Subtotal:				**$ 41,690**
Reporting				
Final Engineering Report & Site Management Plan	1	LS	$ 30,000	$ 30,000
Subtotal:				**$ 30,000**
Subtotal Capital Cost				**$ 825,565**
Contractor Mobilization/Demobilization				$ 75,000
Engineering/Contingency (5%)				$ 41,278
Estimated Remedial Cost				**$ 941,900**

Notes:

1. Estimated 1.6 tons per cubic yard
2. Per 6NYCRR 375-6.7(d)(ii)(b)

TABLE 13

ALTERNATIVE 3: COST ESTIMATE FOR TRACK 4 CLEANUP

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Item	Quantity	Units	Unit Cost	Total Cost
Institutional Controls				
Develop Site Management Plan, Easement, Survey	1	LS	$ 25,000	$ 25,000
Subtotal:				**$ 25,000**
Impacted Soil/Fill Removal (Vault and Footers)				
Oversight/Monitoring Labor and Expenses	1	LS	$ 12,000	$ 12,000
Soil Excavation & Dewatering	361	CY	$ 15	$ 5,420
Transportation & Disposal at TSDF (non-haz)	578	TON[1]	$ 40	$ 23,125
Amendments	1	LS	$ 9,000	$ 9,000
Verification Sampling Analysis and Validation	1	LS	$ 1,400	$ 1,400
Subtotal:				**$ 50,945**
Catch Basin Remediation				
Oversight Labor and Expenses	1	LS	$ 12,500	$ 12,500
Remove CB, Decon, Install new CB and Pipe	1	LS	$ 9,800	$ 9,800
Transportation & Disosal at TSDF (Haz)	1	LS	$ 2,000	$ 2,000
Subtotal:				**$ 24,300**
Targeted In-Situ Groundwater Remediation				
Oversight/Monitoring Labor and Expenses	1	LS	$ 7,500	$ 7,500
Groundwater Sampling Labor & Exp. (1 pre, 2 post)	1	LS	$ 3,400	$ 3,400
Well Installation Subcontractor	1	LS	$ 3,700	$ 3,700
Injection Subcontractor	1	LS	$ 20,000	$ 20,000
Amendments (fixed quantity)	1	LS	$ 26,500	$ 26,500
Analytical Laboratory	1	LS	$ 2,300	$ 2,300
Subtotal:				**$ 63,400**
ASD System Installation				
Oversight Labor and Expenses	1	LS	$ 7,000	$ 7,000
Installation Subcontractor	1	LS	$ 46,000	$ 46,000
Subtotal:				**$ 53,000**
Vault Cover System and Restoration				
Vault Structural Fill [2] (42' x 42 'x 3'), purchase/deliver	294	TON	$ 15	$ 4,410
Compaction Equipment	1	LS	$ 2,000	$ 2,000
1-Foot Concrete Slab	1,764	SF	$ 20	$ 35,280
Vapor Barrier	2,025	SF	$ 0.50	$ 1,013
Subtotal:				**$ 42,703**
Reporting				
Final Engineering Report & Site Management Plan	1	LS	$ 30,000	$ 30,000
Subtotal:				**$ 30,000**
Subtotal Capital Cost				**$ 289,348**
Contractor Mobilization/Demobilization				$ 50,000
Engineering/Contingency (5%)				$ 14,467
Total Capital Cost				**$ 353,815**
Annual Operation Maintenance & Monitoring (OM&M):				
Cover System Maintenance	1	LS	$ 1,000	$ 1,000
ASD System O&M	1	LS	$ 5,000	$ 5,000
Groundwater Monitoring	2	EVENTS	$ 2,000	$ 4,000
Annual Certification	1	LS	$ 3,000	$ 3,000
Total Annual OM&M Cost				**$ 13,000**
Number of Years (n):				30
Interest Rate (i):				3%
p/A value:				19.6004
OM&M Present Worth (PW):				**$ 254,805**
Total Present Worth (PW): Capital Cost + OM&M PW				**$ 608,700**

Notes:

1. Estimated 1.6 tons per cubic yard
2. Per 6NYCRR 375-6.7(d)(ii)(b)

TABLE 14

COMPARISON OF REMEDIAL ALTERNATIVES

Remedial Investigation/Alternatives Analysis Report
3021 Orchard Park Road Site
Orchard Park, New York

Alternative No. & Description	NYSDEC DER-10 Evaluation Criteria								
	1. Overall	2. SCGs	3. Eff & Perm	4. Reduction	5. Imp & Eff	6. Implement	7. Cost Eff	8. Community	9. Land Use
Alternative 1: No Action							$ -		
Alternative 2: Track 1 Cleanup	✓	✓	✓	✓			$ 941,900	TBE	✓
Alternative 3: Track 4 Cleanup	✓	✓	✓	✓	✓	✓	$ 608,700	TBE	✓

Notes:

1. Overall Protectiveness of Public Health and the Environment
2. Compliance with Standards, Criteria, and Guidance (SCGs)
3. Long-Term Effectiveness and Permanence
4. Reduction of Toxicity, Mobility, or Volume of Contamination through Treatment
5. Short-Term Impacts and Effectiveness
6. Implementability (Technical and Administrative)
7. Cost-Effectiveness (Overall Present Worth Cost Presented)
8. Community Acceptance
9. Land Use

✓ = Alternative satisfies criterion
TBE = To be evaluated following public comment period