

TABLES

Table 1
Sewer Sediment Sampling Data
ENRX Inc., - Voelker Analysis
766 New Babcock Street
Buffalo New York 14206
Site # C915150

PARAMETER	CAS Number	Track 1 Table 375-6.8(a)	Track 2 Table 375-6.8(b)	SW-1 Upgradient	SW-2 Downgradient	Duplicate (SW-1)
		Unrestricted SCO	Commercial SCO	18-Mar-13	18-Mar-13	18-Mar-13
Volatile Organic Compounds (VOCs) - mg/kg						
1,1,1-Trichloroethane	71-55-6	0.68	500	ND	ND	ND
1,1-Dichloroethane	75-34-3	0.27	240	ND	0.11	ND
1,1-Dichloroethene	75-35-4	0.33	500	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	1.1	500	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.02	30	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	0.25	500	0.0025	0.68	ND
trans-1,2-Dichloroethene	156-60-5	0.19	500	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	2.4	280	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	1.8	130	ND	ND	ND
1,4-Dioxane	123-91-1	0.1	130	ND	ND	ND
Acetone	67-64-1	0.05	500	0.0069	ND	ND
Benzene	71-43-2	0.06	44	ND	ND	ND
n-Butylbenzene	104-51-8	12	500	NA	NA	NA
Carbon tetrachloride	56-23-5	0.76	22	ND	ND	ND
Chlorobenzene	108-90-7	1.1	500	ND	ND	ND
Chloroform	67-66-3	0.37	350	ND	ND	ND
Ethylbenzene	100-41-4	1.0	390	ND	ND	ND
Hexachlorobenzene	118-74-1	0.33	6	NA	NA	NA
Methyl ethyl ketone	78-93-3	0.12	500	NA	ND	NA
Methyl tert-butyl ether	1634-04-4	0.93	500	ND	ND	ND
Methylene chloride	75-09-2	0.05	500	0.0065	0.094	0.007
n-Propylbenzene	103-65-1	3.9	500	NA	NA	NA
sec-Butylbenzene	135-98-8	11	500	NA	NA	NA
tert-Butylbenzene	98-06-6	5.9	500	NA	NA	NA
Tetrachloroethene	127-18-4	1.3	150	ND	ND	ND
Toluene	108-88-3	0.7	500	ND	ND	ND
Trichloroethene	79-01-6	0.47	200	ND	0.11	ND
1,2,4-Trimethylbenzene	95-63-6	3.6	190	NA	NA	NA
1,3,5- Trimethylbenzene	108-67-8	8.4	190	NA	NA	NA
Vinyl chloride	75-01-4	0.02	13	ND	ND	ND
Xylene (mixed)	1030-20-7	0.26	500	ND	ND	ND
Semi-Volatiles Organic Compounds - mg/kg						
Acenaphthene	83-32-9	20	500	1.3	ND	3.4
Acenaphthylene	208-96-8	100	500	ND	ND	ND
Anthracene	120-12-7	100	500	2.1	ND	4.8
Benzo(a)pyrene	50-32-8	1	1.0	4.7	3.3	9.7
Benz(a)anthracene	56-55-3	1	5.6	5.8	4	12
Benz(b)fluoranthene	205-99-2	1	5.6	6.7	2.2	13
Benzo(g,h,i.)perylene	191-24-2	100	500	2.5	2.8	3.7
Benzo(k)fluoranthene	207-08-9	0.8	56	1.9	2.8	5.7
Chrysene	218-01-9	1	56	5.4	4.6	12
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	0.82	ND	1.3
Fluoranthene	206-44-0	100	500	12	8.8	26
Fluorene	86-73-7	30	500	1.1	ND	2.8
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	2.5	2.6	4.2
m-Cresol	108-39-4	0.33	500	NA	NA	NA
Naphthalene	91-20-3	12	500	0.76	ND	1.9
o-Cresol	95-48-7	0.33	500	NA	NA	NA
p-Cresol	106-44-5	0.33	500	NA	NA	NA
Pentachlorophenol	87-86-5	0.8	6.7	ND	ND	ND
Phenanthrene	85-01-8	100	500	10	5.9	24
Phenol	108-95-2	0.33	500	ND	ND	ND
Pyrene	129-00-0	100	500	10	7.2	19
Total Metals - mg/kg						
Arsenic	7440-38-2	13	16	5	5.3	4.7
Barium	7440-39-3	350	400	79.3	170	99
Beryllium	7440-41-7	7.2	590	0.36	0.42	0.53
Cadmium	7440-43-9	2.5	9.3	2.24	4.75	2.18
Hexavalent Chromium	18540-29-9	1	400	NA	NA	NA
Trivalent Chromium	16065-83-1	30	1,500	164	191	213
Copper	7440-50-8	50	270	1190	836	2130
Total Cyanide	--	27	27	NA	NA	NA
Lead	7439-92-1	63	1,000	272	478	327
Manganese	7439-96-5	1,600	10,000	1940	986	933
Mercury	--	0.18	2.8	0.27	1.14	0.17
Selenium	7782-49-2	3.9	1,500	<1.6	<2.0	<1.6
Nickel	7440-02-0	30	310	64.1	109	449
Silver	7440-22-4	2	1,500	0.46	1.19	0.66
Zinc	7440-66-6	109	10,000	1060	871	552
PCBs - mg/kg						
PCB-1016	1336-36-3	0.01	1	ND	ND	ND
PCB-1221	1336-36-3	0.01	1	ND	ND	ND
PCB-1232	1336-36-3	0.01	1	ND	ND	ND
PCB-1242	1336-36-3	0.01	1	ND	ND	ND
PCB-1248	1336-36-3	0.01	1	ND	2.1	ND
PCB-1254	1336-36-3	0.01	1	1.2	2.1	0.89
PCB-1260	1336-36-3	0.01	1	1.2	2.1	0.89
PCB-1262	1336-36-3	0.01	1	ND	ND	ND
PCB-1268	1336-36-3	0.01	1	ND	ND	ND

Exceeds Part 375 Commercial SCO
Exceeds part 375 Urestricted SCO

Notes:
Values per NYSDEC Part 375 Soil Cleanup Objectives (December 2006)
Definitions:
ND=Parameter not detected above laboratory detection limit.
NA=Sample not analyzed for parameter.

Table 2
Sewer Water Samplg Data
ENRX, Inc. - Voelker Analysis
766 New Babcock Street, Buffalo, NY
Site No. 915150

Contaminant	CAS Number	TOGS 1.1.1 Maximum Allowable Concentration	SWL-1 Upgradient	SWL-2 Downgradient
			18-Mar-13	18-Mar-13
Volatile Organic Compounds (VOCs)-ug/L				
1,1,1-Trichloroethane	71-55-6	5	ND	180
1,1,2,2 Tetrachloroethane	79-34-5	5	ND	ND
1,1,2 Trichloroethane	79-00-5)	1	ND	ND
1,1 Dichloroethene	75-34-3	5	ND	4.8
1,1-Dichloroethane	75-34-3	5	ND	40
Acetone	67-64-1	50	8.9	5.9
Benzene	71-43-8	1	ND	ND
Bromodichloromethane	74-27-4	50	ND	ND
Carbon Disulfide	75-15-0	60	ND	ND
Carbon tetrachloride	56-23-5	5	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	270
Ethylbenzene	100-41-4	5	ND	ND
m&p-Xylene	108-38-3	5	ND	ND
Methyl t-butyl ether (MTBE)	1634-04-4	10	0.6	ND
Methyl ethyl ketone	78-93-3	50	3.1	ND
methylene Chloride	75-09-2	5	2.2	0.78
o-Xylene	95-47-6	5	ND	ND
Naphthalene	91-20-3	10	NA	NA
p-Isopropyltoluene	**	na	NA	NA
Toluene	108-88-3	5	ND	0.82
trans-1,2-Dichloroethene	156-60-5	5	ND	0.56
Tetrachloroethene	127-18-4	5	ND	ND
Trichloroethene	79-01-6	5	ND	50
Trichlorofluoromethane	75-69-4	5	ND	ND
Trichlorotrifluoroethane	**	5	ND	5.4
Vinyl chloride	75-01-4	2	ND	59
Total Metals-ug/L				
Arsenic	**	25	3.0	2.0
Aluminum	**	NA	758	192
Antimony	**	3	<3.0	<3.0
Barium	**	1,000	92.0	218
Beryllium	7440-41-7	3	<1.0	<1.0
Cadmium	**	5	1.0	0.00
Calcium	**	na	11500	14800
Chromium	16065-831	50	5.0	2.0
Copper	7440-508	200	213	64.0
Iron	**	300	2810	3730
Lead	7439-92-1	25	70.0	31.0
Magnesium	**	35,000	25700	33300
Manganese	**	300	181	543.0
Mercury	**	0.7	<2.0	<0.2
Nickel	**	100	9.0	6.0
Potassium	**	na	15000	20800
Selenium	**	10	<4.0	<4.0
Silver	**	50	<5.0	<5.0
Sodium	**	20,000	17400	42400
Thallium	**	0.5	<2.0	<2.0
Vanadium	**	na	10.0	0.00
Zinc	**	2,000	204	113.0

RL Exceeds TOGS 1.1.1 Standard

Exceeds TOGS 1.1.1 Standard

Notes:

ND=Parameter not detected above laboratory detection limit.

NA=Sample not analyzed for parameter.

na - No objective available.

** - CAS not applicable

Table 3
Tank Water Sampling Data
ENRX, Inc. – Voelker Analysis
766 New Babcock Street
Buffalo, New York 14206
Site ID: C915150

Contaminant	TOGS 1.1.1 Maximum Allowable Concentration (ug/L)	TP-2 Tank Liquid Disposal (UST 1)	TP-6 Tank Liquid Disposal (UST 3)
		25-Jul-12	2-Aug-12
		Volatile Organic Compounds (VOCs) - ug/L	
1,1,1-Trichloroethane	5	<2.0	<5.0
1,1,2,2-Tetrachloroethane	5	<2.0	<5.0
1,1,2-Trichloroethane	1	<2.0	<5.0
1,1-Dichloroethane	5	134	<5.0
1,1-Dichloroethene	5	<2.0	<5.0
1,2,3-Trichlorobenzene	5	na	<5.0
1,2,4-Trichlorobenzene	5	na	<5.0
1,2-Dibromo-3-chloropropane	0.04	na	<5.0
1,2-Dibromoethane	0.0006	na	<5.0
1,2-Dichlorobenzene	3	<2.0	<5.0
1,2-Dichloroethane	0.6	<2.0	<5.0
1,2-Dichloropropane	1	<2.0	<5.0
1,3-Dichlorobenzene	3	<2.0	<5.0
1,4-Dichlorobenzene	3	<2.0	<5.0
2-Hexanone	50	<5.0	<25
4-Methyl-2-pentanone	na	<5.0	<25
Acetone	50	36.1	<50
Benzene	1	1.69	<5.0
Bromochloromethane	5	na	<5.0
Bromodichloromethane	50	<2.0	<5.0
Bromoform	50	<5.0	<5.0
Bromomethane	5	<2.0	<5.0
Carbon Disulfide	60	<2.0	<5.0
Carbon tetrachloride	5	<2.0	<5.0
Chlorobenzene	5	<2.0	<5.0
Chloroethane	5	1.28 J	<5.0
Chloroform	7	<2.0	<5.0
Chloromethane	na	<2.0	<5.0
cis-1,2-Dichloroethene	5	8.69	<5.0
cis-1,3-Dichloropropene	0.4	<2.0	<5.0
Cyclohexane	na	na	<5.0
Dibromochloromethane	50	<2.0	<5.0
Dichlorodifluoromethane	5	na	<5.0
Ethylbenzene	5	<2.0	<5.0
Isopropylbenzene	5	<2.0	<5.0
m&p-Xylene	5	1.39 J	<5.0
Methyl ethyl ketone	50	8.19 J	<30
Methyl t-butyl ether (MTBE)	10	3.24	<10
Methylacetate	na	na	<5.0
Methylcyclohexane	na	na	<5.0
Methylene chloride	5	<5.0	<5.0
o-Xylene	5	1.17 J	<5.0
Styrene	5	na	<5.0
Tetrachloroethene	5	<2.0	<5.0
Toluene	5	3.59	<5.0
Total Xylenes	5	2.56	<5.0
trans-1,2-Dichloroethene	5	2.37	<5.0
trans-1,3-Dichloropropene	0.4	<2.0	<5.0
Trichloroethene	5	1.77 J	<5.0
Trichlorofluoromethane	5	<2.0	<5.0
Trichlorotrifluoroethane	5	na	<5.0
Vinyl chloride	2	5.9	<5.0
Semi-Volatile Organic Compounds SVOCs - ug/L			
1,1-Biphenyl	5	na	<10
1,2,4,5-Tetrachlorobenzene	5	na	<10
Acenaphthylene	20	na	<10
Atrazine	7.5	na	<10
Benzo(a)anthracene	0.002	<10.0	126
Benzo(a)pyrene	0	<10.0	86
Benzo(b)fluoranthene	0.002	<10.0	<10
Benzo(k)fluoranthene	0.002	<10.0	<10
Bis(2-ethylhexyl)phthalate	5	<10.0	<10
Chrysene	0.002	6.79 J	180
Dibenzo(a,h)anthracene	na	<10.0	<10
Hexachlorobenzene	0.04	<10.0	<10
Hexachlorobutadiene	0.5	<10.0	<10
Hexachloroethane	5	<10.0	<10
Indeno(1,2,3-cd)pyrene	0.002	<10.0	<10
N-Nitrosodimethylamine	na	<10.0	<10
Pentachlorophenol	1	<25.0	<50
Phenanthrene	50	21.6	670
2,3,4,6-tetrachlorophenol	na	na	<10
2,4,5-Trichlorophenol	na	<25.0	<10
2,4,6-Trichlorophenol	na	<10.0	<10
2,4-Dichlorophenol	1	<10.0	<10
2,4-Dimethylphenol	50	<10.0	<10
2,4-Dinitrophenol	10	<25.0	<100
2,4-Dinitrotoluene	5	<10.0	<10
2,6-Dinitrotoluene	5	<10.0	<10
2-Chloronaphthalene	10	<10.0	<10
2-Chlorophenol	na	<10.0	<10
2-Methylnaphthalene	na	42.6	1600
2-Methylphenol (o-cresol)	na	<10.0	<10
2-Nitroaniline	5	<25.0	<100
2-Nitrophenol	na	<10.0	<10
3&4-Methylphenol (m&p-cresol)	na	<10.0	<50
3,3'-Dichlorobenzidine	5	<10.0	<100
3-Nitroaniline	5	<25.0	<100
4,6-Dinitro-2-methylphenol	na	<25.0	<500
4-Bromophenyl phenyl ether	na	<10.0	<50
4-Chloro-3-methylphenol	1	<10.0	<10
4-Chloroaniline	5	<10.0	<10
4-Chlorophenyl phenyl ether	na	<10.0	<10
4-Nitroaniline	5	<25.0	<100
4-Nitrophenol	na	<25.0	<500
Acenaphthene	20	<10.0	<10
Acetophenone	na	na	<10
Anthracene	50	<10.0	87
Benzaldehyde	na	na	<10
Benzo(h)perylene	na	<10.0	<10
Butyl benzyl phthalate	50	na	<10
Bis(2-chloroethoxy)methane	5	<10.0	<10
Bis(2-chloroethyl)ether	1	<10.0	<50
Bis(2-chloroisopropyl)ether	5	<10.0	<10
Caprolactam	na	na	<10
Carbazole	na	na	<500
Dibenzofuran	na	<10.0	<10
Diethyl phthalate	50	<10.0	<10
Dimethylphthalate	50	<25.0	<10
Di-n-butylphthalate	50	<10.0	<10
Di-n-octylphthalate	50	<10.0	<10
Fluoranthene	50	<10.0	97
Fluorene	50	6.46 J	130
Hexachlorocyclopentadiene	5	<10.0	<10
Isophorone	50	<10.0	<10
Naphthalene	10	6.19 J	100
Nitrobenzene	0.4	<10.0	<10
N-Nitrosodi-n-propylamine	na	<10.0	<10
N-Nitrosodiphenylamine	50	<10.0	<50
Phenol	1	<10.0	<10
Pyrene	50	21.7	630
Total Metals - mg/L			
Aluminum	na	<0.500	0.109
Antimony	0.003	<0.060	<0.001
Arsenic - LDL	0.025	<0.010	<0.001
Barium	1	0.238	0.0065
Beryllium	0.003	<0.005	<0.001
Cadmium	0.005	<0.005	<0.001
Calcium	na	355	1.44
Chromium	0.05	<0.010	0.001
Cobalt	na	<0.050	na
Copper	0.2	<0.010	0.334
Iron	0.3	3.03	1.140
Lead	0.025	<0.010	0.0207
Magnesium	35	5.47	0.131
Manganese	0.3	0.793	0.0107
Mercury	0.0007	<0.0002	<0.00011
Nickel	0.1	<0.040	0.0012
Potassium	na	1.48 J	0.097
Selenium	0.01	<0.010	<0.0025
Silver	0.05	<0.010	<0.001
Sodium	20	<2.50	0.275
Thallium - LDL	0.0005	<0.025	<0.001
Vanadium	na	<0.025	0.003
Zinc	2	0.285	0.0102
PCBs - ug/L			
PCB-1016	0.09	<1.00	2.2
PCB-1221	0.09	<1.00	<2.0
PCB-1232	0.09	<1.00	<2.0
PCB-1242	0.09	<1.00	<2.0
PCB-1248	0.09	<1.00	<2.0
PCB-1254	0.09	<1.00	<2.0
PCB-1260	0.09	<1.00	<2.0
PCB-1262	0.09	<1.00	<2.0
PCB-1268	0.09	<1.00	<2.0

- Exceeds TOGS 1.1.1 Table

Definitions:

NA - Sample not analyzed for parameter

na - No objective available

Table 4
Soil Analytical Data Summary Table
ENRX, Inc. – Voelker Analysis
766 New Babcock Street
Buffalo, New York 14206
Site ID: C915150

LOCATION SAMPLING DATE LAB SAMPLE ID SAMPLE TYPE SAMPLE DEPTH (ft.)				BH-1 (0-4') 8/7/2014 L1417931-01 Soil 0-4'		BH-2 (0-7.5') 8/7/2014 L1417931-02 Soil 0-7.5'		BR-7 (0-4') 8/7/2014 L1417931-03 Soil 0-4'		BR-8 (4-7.5') 8/7/2014 L1417931-04 Soil 4-7.5'		BR-9 (0-4') 8/7/2014 L1417931-05 Soil 0-4'		BR-10 (4'-6.5') 8/7/2014 L1417931-06 Soil 4-6.5'		BR-11 (4'-8.5') 8/7/2014 L1417931-07 Soil 4-8.5'		DUP/BR-9 8/7/2014 L1417931-08 Soil 0-4'		BR-12 (2-4') 4/2/2015 L1506780-01 Soil 2-4'		BR-13 (8-10') 4/2/2015 L1506780-02 Soil 8-10'		BR-14 (4-6') 4/2/2015 L1506780-03 Soil 4-6'		BR-15 (6-8') 4/2/2015 L1506780-04 Soil 6-8'		DUP/BR-12 4/2/2015 L1506780-05 Soil 2-4'		
				CasNum	NY-UNRES* NY-GW*	NY-RESC	Units	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
Volatile Organics																														
1,1,1-Trichloroethane	71-55-6	-	0.68	0.68	500	mg/kg	0.0012	U	0.0011	U	0.0014	U	0.0014	U	0.0012	U	0.0011	U	0.011	U	0.0012	U	0.0015	U	0.0013	U	0.0014	U	0.0012	U
1,1,2,2-Tetrachloroethane	79-34-5	-	-	-	-	mg/kg	0.0012	U	0.0011	U	0.0014	U	0.0014	U	0.0012	U	0.0011	U	0.0011	J	0.0012	U	0.0015	U	0.0013	U	0.0014	U	0.0012	U
1,1,2-Trichloroethane	79-00-5	-	-	-	-	mg/kg	0.0018	U	0.0016	U	0.0021	U	0.0021	U	0.0018	U	0.0017	U	0.0016	U	0.0018	U	0.0022	U	0.0019	U	0.0021	U	0.0018	U
1,1-Dichloroethane	75-34-3	0.27	-	0.27	240	mg/kg	0.0012	U	0.0011	U	0.0014	U	0.0014	U	0.0012	U	0.0011	U	0.0038	U	0.0012	U	0.0015	U	0.0013	U	0.0014	U	0.0012	U
1,2,3-Trichlorobenzene	87-61-6	-	-	-	-	mg/kg	0.006	U	0.0053	U	0.007	U	0.0071	U	0.0058	U	0.0055	U	0.0061	U	0.0011	U	0.0059	U	0.0075	U	0.0064	U	0.007	U
1,2,4-Trichlorobenzene	120-82-1	-	-	-	-	mg/kg	0.006	U	0.0053	U	0.007	U	0.0071	U	0.0058	U	0.0055	U	0.0061	U	0.0016	U	0.0059	U	0.0075	U	0.0064	U	0.007	U
1,2-Dibromo-3-chloropropane	96-12-8	-	-	-	-	mg/kg	0.006	U	0.0053	U	0.007	U	0.0071	U	0.0058	U	0.0055	U	0.0061	U	0.00069	J	0.0059	U	0.0075	U	0.0064	U	0.007	U
1,2-Dibromoethane	106-93-4	-	-	-	-	mg/kg	0.0048	U	0.0043	U	0.0056	U	0.0057	U	0.0047	U	0.0044	U	0.0049	U	0.0011	U	0.0048	U	0.006	U	0.0051	U	0.0056	U
1,2-Dichlorobenzene	95-50-1	1.1	-	1.1	500	mg/kg	0.006	U	0.0053	U	0.007	U	0.0071	U	0.0058	U	0.0055	U	0.0061	U	0.0054	U	0.0059	U	0.0075	U	0.0064	U	0.007	U
1,2-Dichloropropane	107-06-2	0.02	-	0.02	30	mg/kg	0.0012	U	0.0011	U	0.0014	U	0.0014	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0015	U	0.0013	U	0.0014	U	0.0012	U
1,2-Dichloroethane	78-87-5	-	-	-	-	mg/kg	0.0042	U	0.0037	U	0.0049	U	0.005	U	0.0041	U	0.0039	U	0.0043	U	0.00033	J	0.0042	U	0.0052	U	0.0044	U	0.0049	U
1,3-Dichlorobenzene	541-73-1	2.4	-	2.4	280	mg/kg	0.006	U	0.0053	U	0.007	U	0.0071	U	0.0058	U	0.0055	U	0.0061	U	0.0011	U	0.0059	U	0.0075	U	0.0064	U	0.007	U
1,4-Dichlorobenzene	106-46-7	1.8	-	1.8	130	mg/kg	0.006	U	0.0053	U	0.007	U	0.0071	U	0.0058	U	0.0055	U	0.0061	U	0.0011	U	0.0059	U	0.0075	U	0.0064	U	0.007	U
1,4-Dioxane	123-91-1	0.1	-	0.1	130	mg/kg	0.012	UR	0.11	UR	0.14	UR	0.14	UR	0.12	UR	0.11	UR	0.12	UR	0.0041	U	0.12	U	0.15	U	0.13	U	0.14	U
2-Butanone	78-93-3	0.12	-	0.12	500	mg/kg	0.012	U	0.011	U	0.014	U	0.011	U	0.012	U	0.011	U	0.012	U	0.0043	U	0.012	U	0.044	U	0.013	U	0.019	U
2-Hexanone	591-78-6	-	-	-	-	mg/kg	0.012	U	0.011	U	0.014	U	0.014	U	0.012	U	0.011	U	0.012	U	0.0011	U	0.012	U	0.015	U	0.013	U	0.014	U
4-Methyl-2-pentanone	108-10-1	-	-	-	-	mg/kg	0.012	U	0.011	U	0.014	U	0.014	U	0.012	U	0.011	U	0.012	U	0.00055	J	0.012	U	0.015	U	0.013	U	0.014	U
Acetone	67-64-1	0.05	-	0.05	500	mg/kg	0.0012	U	0.0039	J	0.045		0.052		0.012	U	0.011	U	0.015	U	0.00072	J	0.0064	U	0.022	U	0.0092	J	0.04	U
Benzene	71-43-2	0.06	-	0.06	44	mg/kg	0.0012	U	0.0011	U	0.0014	U	0.0014	U	0.00033	J	0.0011	U	0.0012	U	0.00026	J	0.0012	U	0.0015	U	0.0014	U	0.0012	U
Bromochloromethane	74-97-5	-	-	-	-	mg/kg	0.006	U	0.0053	U	0.007	U	0.0071	U	0.0058	U	0.0055	U	0.0061	U	0.0059	U	0.0075	U	0.0064	U	0.007	U	0.006	U
Bromodichloromethane	75-27-4	-	-	-	-	mg/kg	0.0012	U	0.0011	U	0.0014	U	0.0014	U	0.0012	U	0.0011	U	0.0012	U	0.0022	U	0.0012	U	0.0015	U	0.0013	U	0.0014	U
Bromoform	75-25-2	-	-	-	-	mg/kg	0.0048	U	0.0043	U	0.0056	U	0.0057	U	0.0047	U	0.0044	U	0.0049	U	0.0022	U	0.0048	U	0.006	U	0.0051	U	0.0056	U
Bromomethane	74-83-9	-	-	-	-	mg/kg	0.0024	U	0.0021	U	0.0028	U	0.0028	U	0.0023	U	0.0022	U	0.0024	U	0.0022	U	0.0024	U	0.003	U	0.0025	U	0.0028	U
Carbon disulfide	75-15-0	-	-	-	-	mg/kg	0.012	U	0.011	U	0.014	U	0.014	U	0.012	U	0.011	U	0.012	U	0.0011	U	0.012	U	0.015	U	0.013	U	0.014	U
Carbon tetrachloride	56-23-5	0.76	-	0.76	22	mg/kg	0.0012	U	0.0011	U	0.0014	U	0.0014	U	0.0012	U	0.0011	U	0.0012	U	0.0016	U	0.0012	U	0.0015	U	0.0013	U	0.0014	U
Chlorobenzene	108-90-7	1.1	-	1.1	500	mg/kg	0.0012	U	0.0011	U	0.0014	U	0.0014	U	0.0012	U	0.0011	U	0.0012	U	0.0016	U	0.0012	U	0.0015	U	0.0013	U	0.0014	U
Chloroethane	75-00-3	-	-	-	-	mg/kg	0.0024	U	0.0021	U	0.0028	U	0.0028	U	0.0023	U	0.0022	U	0.00055	J	0.0054	U	0.0024	U	0.003	U	0.0025	U	0.0028	U
Chloroform	67-66-3	0.37	-	0.37	350	mg/kg	0.0018	U	0.0016	U	0.0021	U	0.0021	U	0.0018	U	0.0017	U	0.0018	U	0.0022	U	0.0018	U	0.0022	U	0.0019	U	0.0021	U
Chloromethane	74-87-3	-	-	-	-	mg/kg	0.006	U	0.0053	U	0.007	U	0.0071	U	0.0058	U	0.0055	U	0.0061	U	0.0054	U	0.0059	U	0.0075	U	0.0064	U	0.007	U
cis-1,2-Dichloroethene	156-59-2	0.25	-	0.25	500	mg/kg	0.0013	U	0.0011	U	0.0014																			

Table 5
Groundwater Elevation Summary Table (August 2014)
ENRX, Inc. – Voelker Analysis
766 New Babcock Street
Buffalo, New York 14206
Site ID. C915150

Monitoring Well	Date	PID Headspace (ppmv)	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
BR-1	08/22/2014	21.0	598.89	6.17	592.72	ND	0.00	592.72
BR-2	08/22/2014	10.8	598.72	6.43	592.29	ND	0.00	592.29
BR-3	08/22/2014	0.1	599.45	7.09	592.36	ND	0.00	592.36
BR-4	08/22/2014	0.0	599.82	10.10	589.72	ND	0.00	589.72
BR-5	08/22/2014	0.0	599.09	5.91	593.18	ND	0.00	593.18
BR-6	08/22/2014	0.0	597.90	4.72	593.18	ND	0.00	593.18
BR-7	08/22/2014	0.0	599.66	8.46	591.20	ND	0.00	591.20
BR-8	08/22/2014	0.9	598.54	7.02	591.52	ND	0.00	591.52
BR-9	08/22/2014	1.0	598.67	6.10	592.57	ND	0.00	592.57
BR-10	08/22/2014	3.0	599.77	8.23	591.54	ND	0.00	591.54
BR-11	08/22/2014	55.4	598.70	6.04	592.66	NM	<0.01	592.66

Notes:

NA = Not applicable/available
ND = Not detected
NM = Not measured
NS = Not Sampled

Table 6
Groundwater Elevation Summary Table (April 2014)
ENRX, Inc. – Voelker Analysis
766 New Babcock Street
Buffalo, New York 14206
Site ID. C915150

Monitoring Well	Date	PID Headspace (ppmv)	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Product (ft)	Product Thickness (ft)	Prod Adj GW Elevation (ft)
BR-1	04/13/2015	89.1	598.89	4.94	593.95	ND	0.00	593.95
BR-2	04/13/2015	57.0	598.72	5.25	593.47	NM	0.10	593.47
BR-3	04/13/2015	0.0	599.45	5.75	593.70	ND	0.00	593.70
BR-4	04/13/2015	0.0	599.82	8.36	591.46	ND	0.00	591.46
BR-5	04/13/2015	0.0	599.09	5.42	593.67	ND	0.00	593.67
BR-6	04/13/2015	0.1	597.90	4.41	593.49	ND	0.00	593.49
BR-7	04/13/2015	0.0	599.66	7.06	592.60	ND	0.00	592.60
BR-8	04/13/2015	0.0	598.54	4.40	594.14	ND	0.00	594.14
BR-9	04/13/2015	3.2	598.67	4.86	593.81	ND	0.00	593.81
BR-10	04/13/2015	1.1	599.77	7.08	592.69	ND	0.00	592.69
BR-11	04/13/2015	38.6	598.70	4.82	593.88	NM	>0.01	593.88
BR-12	04/13/2015	0.3	598.89	4.86	594.03	ND	0.00	594.03
BR-13	04/13/2015	0.2	599.50	5.53	593.97	ND	0.00	593.97
BR-14	04/13/2015	0.5	599.33	5.34	593.99	ND	0.00	593.99
BR-15	04/13/2015	0.1	599.25	5.10	594.15	ND	0.00	594.15

Notes:

NA = Not applicable/available
ND = Not detected
NM = Not measured
NS = Not Sampled

Table 7
Groundwater Analytical Data Summary Table
ENRX, Inc. – Voelker Analysis
766 New Babcock Street
Buffalo, New York 14206
Site ID: C915150

LAB SAMPLE ID

CasNum

NY-AWQS* Units

B-1

L1419240-01

Qual

B-2

L1419240-02

Qual

B-3

L1419240-03

Qual

B-4

L1419240-04

Qual

B-5

L1419240-05

Qual

B-6

L1419240-06

Qual

B-7

L1419240-07

Qual

B-8

L1419240-08

Qual

B-9

L1419240-09

Qual

B-10

L1419240-10

Qual

B-11

L1419240-11

Qual

DUP-BR-3

L1419240-12

Qual

TRIP BLANK

L1419240-13

Qual

B-12

L1507448-01

Qual

B-13

L1507448-02

Qual

B-14

L1507448-03

Qual

B-15

L1507448-04

Qual

DUP-BR-15

L1507448-05

Qual

TRIP BLANK

L1507448-06

Qual

1,1,1-Trichloroethane

71-55-6

5 ug/l

3200

380

520

2.5 U

2.5 U

64

140

46

1100

5.9

5900

62

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

1,1,2,2-Tetrachloroethane

79-34-5

5 ug/l

50

10

10

0.5 U

0.5 U

0.5

0.5

1

0.5

0.5

150

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

1,1,2-Trichloroethane

79-34-5

1 ug/l

230

130

230

0.79 J

0.79 J

46

34

56

400

20

200

62

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

1,1-Dichloroethene

75-35-4

5 ug/l

36

J

10

0.5 U

0.5 U

1.1

4.3

0.35 J

12

0.5 U

48

0.5 U

0.5 U

0.38 J

0.15 J

0.5 U

0.33 J

0.34 J

0.5 U

0.5 U

0.5 U

1,2,3-Trichlorobenzene

87-61-6

5 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

1,2,4-Trichlorobenzene

120-82-1

5 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

1,2-Dibromo-3-chloropropane

96-12-8

0.004 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

1,2-Dibromooethane

106-93-4

0.0006 ug/l

200

40

40

2 U

2 U

4

4

0.5 U

50

2 U

200

2 U

2 U

2 U

2 U

2 U

2 U

2 U

2 U

2 U

1,2-Dichlorobenzene

95-50-3

5 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

1,2-Dichloroethane

107-06-2

0.6 ug/l

50

10

10

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

12

0.5 U

50

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

1,2-Dichloropropane

74-77-1

1 ug/l

100

20

20

1 U

1 U

1 U

1 U

1 U

25

1 U

100

1 U

1 U

1 U

1 U

1 U

1 U

1 U

1 U

1 U

1,3-Dichlorobenzene

541-73-1

3 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

1,4-Dichlorobenzene

106-46-7

3 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

1,4-Dioxane

123-91-1

-

25000

5000

5000

250

250

250

250

500

250

250

6200

250

25000

250

250

250

250

250

250

250

250

2-Butanone

78-93-3

50 ug/l

500

100

100

5 U

5 U

5 U

5 U

5 U

120

5 U

5

500

5 U

5 U

5 U

5 U

5 U

5 U

5 U

5 U

2-Hexanone

58-11-7

50 ug/l

500

100

100

5 U

5 U

5 U

5 U

5 U

120

5 U

5

500

5 U

5 U

5 U

5 U

5 U

5 U

5 U

5 U

1-Methyl-2-pentanone

108-10-1

-

500

100

100

5 U

5 U

5 U

5 U

5 U

10

5 U

500

5 U

5 U

5 U

5 U

5 U

5 U

5 U

5 U

5 U

Acetone

67-64-1

50 ug/l

500

100

100

5 U

5 U

5 U

5 U

5 U

10

5 U

9.3

500

1.8 J

5 U

5 U

5 U

5 U

5 U

5 U

5 U

Benzene

71-43-2

1 ug/l

50

10

10

0.5 U

0.5 U

0.19 J

1

0.24 J

12

0.52

50

0.27 J

0.5 U

0.19 J

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

Bromochloromethane

74-97-5

5 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

Bromodichloromethane

75-27-4

50 ug/l

50

10

10

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

12

0.5 U

50

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

Bromofom

75-25-2

50 ug/l

200

40

40

2 U

2 U

4

4

0.5 U

50

2 U

200

2 U

2 U

2 U

2 U

2 U

2 U

2 U

2 U

Bromomethane

74-83-9

5 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

Carbon disulfide

75-15-0

60 ug/l

500

100

100

5 U

5 U

5 U

5 U

5 U

10

5 U

120

5 U

3

140

1.1 J

5 U

5 U

5 U

5 U

5 U

5 U

Carbon tetrachloride

56-23-5

5 ug/l

50

10

10

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

1

0.5 U

12

0.5 U

50

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

Chlorobenzene

108-90-7

5 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

Chloroethane

75-00-3

5 ug/l

250

50

50

1.4 J

2.5 U

6

2.8 J

5.5 U

62

11

250

7.8

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

Chloroform

67-66-3

7 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

Chloromethane

74-87-3

5 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

cis-1,2-Dichloroethene

156-59-2

-

320

380

520

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

cis-1,2-Dichloropropene

1001-70-5

0.4 ug/l

250

50

50

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

12

0.5 U

50

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

Cyclohexane

110-82-7

-

1000

200

200

10 U

10 U

4.3 J

20

1.3 J

250

1.2 J

1000

2.8 J

10 U

0.64 J

0.45 J

0.47 J

0.64 J

0.5 J

10 U

10 U

Dibromochloromethane

124-48-1

50 ug/l

50

10

10

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

1

0.5 U

12

0.5 U

50

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

Dichlorodifluoromethane

70-11-8

5 ug/l

500

100

100

5 U

5 U

5 U

5 U

5 U

10

5 U

120

5 U

500

5 U

5 U

5 U

5 U

5 U

5 U

5 U

Ethylbenzene

100-41-4

5 ug/l

500

100

100

5 U

5 U

5 U

5 U

5 U

10

5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

Freon-113

76-13-1

5 ug/l

320

52

120

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

Hexachlorobenzene

96-82-8

5 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

Methyl Acetate

79-57-9

50 ug/l

500

100

100

5 U

5 U

5 U

5 U

5 U

10

5 U

120

5 U

5

500

5 U

5 U

5 U

5 U

5 U

5 U

Methyl cyclohexane

108-87-2

-

1000

200

200

10 U

10 U

2.4 J

20

1.3 J

250

0.75 J

1000

10 U

0.43 J

0.41 J

0.49 J

0.44 J

10 U

10 U

10 U

10 U

Methyl tert butyl ether

1634-04-4

10 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

Methylene chloride

75-09-2

5 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

o-Xylene

95-47-6

5 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

0.88 J

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

pim-Xylene

17901-23-1

5 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

1.9 J

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

Styrene

100-42-5

5 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

Tetrachloroethene

129-18-4

5 ug/l

250

50

50

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

12

0.5 U

50

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

Toluene

108-88-3

5 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

1.5 J

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

trans-1,2-Dichloroethene

156-60-5

5 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

0.91 J

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

trans-1,3-Dichloropropene

10061-02-6

0.4 ug/l

50

10

10

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

12

0.5 U

50

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

Trichloroethene

79-01-6

5 ug/l

3900

40

11

0.5 U

0.5 U

11

47

0.5 U

95

2.3

2700

1.7

0.5 U

0.42 J

0.25 J

0.5 U

0.5 U

0.35 J

0.5 U

0.5 U

0.5 U

Trichlorofluoromethane

75-69-4

5 ug/l

250

50

50

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

62

2.5 U

250

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

2.5 U

Vinyl chloride

75-01-4

2 ug/l

250

340

420

5

1

31

140

27

690

5.5

100

37

1

140

80

3

24

130

1

1

1

Total VOCs

None

-

ug/l

14016

942

2077

43.4

0.79 J

238.8

631.3

158.3

4155

74.23

13976

211.6

ND

252.4

95.26

6.63

68.51

224.5

1

1

1

1,2,4,5-Tetrachlorobenzene

95-94-3

5 ug/l

10

10

10

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

10

0.5 U

10

0.5 U

10

0.5 U

NA

10

0.5 U

10

0.5 U

10

0.5 U

NA

2,3,4,6-Tetrachlorophenol

58-90-2

-

ug/l

5

5

5

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

5

0.5 U

5

0.5 U

5

0.5 U

NA

5

0.5 U

5

0.5 U

5

0.5 U

NA

2,4,5-Trichlorophenol

95-95-4

-

ug/l

5

5

5

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

5

0.5 U

5

0.5 U

5

0.5 U

NA

5

0.5 U

5

0.5 U

5

0.5 U

NA

2,4,6-Trichlorophenol

88-06-2

-

ug/l

5

5

5

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

5

0.5 U

5

0.5 U

5

0.5 U

NA

5

0.5 U

5

0.5 U

5

0.5 U

NA

2,4-Dichlorophenol

120-83-2

1 ug/l

5

5

5

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

5

0.5 U

5

0.5 U

5

0.5 U

NA

5

0.5 U

5

0.5 U

5

0.5 U

NA

2,4-Dimethylphenol

105-67-9

50 ug/l

5

5

5

0.5 U

0.5 U

0.5 U

0.5 U

0.5 U

5

0.5 U

5

0.5 U

5

0.5 U

NA

5

0.5 U

5

0.5 U

5

0.5 U

NA

2,4-Dinitrophenol

51-28-5

10 ug/l

20

Notes:

- * Values per NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*
- Not detected at the reported detection limit for the sample.
- J - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P - The RPD between the results for the two columns exceeds the method-specified criteria.
- R - The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- ND = Non Detect
- NA = Sample was not analyzed for these parameters
- = No SCO available
- ug/l = micrograms per liter
- Red cells indicate the concentration exceeds the SCO
- Gray cells indicate the method detection limit exceeds the SCO

Table 8
Comparative Groundwater Analytical Data Summary Table
ENRX, Inc. – Voelker Analysis
766 New Babcock Street
Buffalo, New York 14206
Site ID. C915150

LOCATION SAMPLING DATE LAB SAMPLE ID			BR-11 8/21/2014 L1419240-11	BR-11 (A) 4/16/2015 L1507982-01	BR-11 (B) 4/16/2015 L1507982-04	BR-11 4/17/2015 L1507982-06	BR-12 4/13/2015 L1507448-01	BR-12 (A) 4/16/2015 L1507982-02	BR-12 (B) 4/16/2015 L1507982-05	BR-12 4/17/2015 L1507982-07	DUP/BR-12 4/17/2015 L1507982-08	TRIP BLANK 4/16/2015 L1507982-03
CasNum	NY-AWQS*	Units	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
Volatile Organics												
1,1,1-Trichloroethane	71-55-6	5 ug/l	5900	1200	1300	1400	2.5 U	2.5 U	2.5 U	1 J	1.1 J	2.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5 ug/l	50 U	25 U	12 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	79-00-5	1 ug/l	150 U	75 U	38 U	30 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	75-34-3	5 ug/l	200 J	140	120	120	0.75 J	1.4 J	1.4 J	1.8 J	1.8 J	2.5 U
1,1-Dichloroethene	75-35-4	5 ug/l	48 J	15 J	16	17	0.38 J	0.5 U	0.16 J	0.15 J	0.16 J	0.5 U
1,2,3-Trichlorobenzene	87-61-6	5 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	120-82-1	5 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	106-93-4	0.0006 ug/l	200 U	100 U	50 U	40 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	95-50-1	3 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	107-06-2	0.6 ug/l	50 U	25 U	12 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	78-87-5	1 ug/l	100 U	50 U	25 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	541-73-1	3 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	106-46-7	3 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dioxane	123-91-1	- ug/l	25000 U	12000 U	6200 U	5000 U	250 U	250 U	250 U	250 U	250 U	250 U
2-Butanone	78-93-3	50 ug/l	500 U	250 U	120 U	100 U	5 U	5 U	3.2 J	2.9 J	3 J	5 U
2-Hexanone	591-78-6	50 ug/l	500 U	250 U	120 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	108-10-1	- ug/l	500 U	250 U	120 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	67-64-1	50 ug/l	500 U	250 U	120 U	100 U	5 U	9	9.1	10	11	5 U
Benzene	71-43-2	1 ug/l	50 U	25 U	12 U	10 U	0.19 J	1.3	1.2	0.99	1	0.5 U
Bromochloromethane	74-97-5	5 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	75-27-4	50 ug/l	50 U	25 U	12 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	75-25-2	50 ug/l	200 U	100 U	50 U	40 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	74-83-9	5 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide	75-15-0	60 ug/l	140 J	250 U	120 U	100 U	5 U	1.4 J	1.1 J	1 J	1.1 J	5 U
Carbon tetrachloride	56-23-5	5 ug/l	50 U	25 U	12 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	108-90-7	5 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	75-00-3	5 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	67-66-3	7 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	74-87-3	- ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	156-59-2	5 ug/l	4000	2400	2000	2200	94	44	44	43	44	2.5 U
cis-1,3-Dichloropropene	10061-01-5	0.4 ug/l	50 U	25 U	12 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	110-82-7	- ug/l	1000 U	500 U	250 U	200 U	0.64 J	5 J	4.6 J	3.7 J	3.8 J	10 U
Dibromochloromethane	124-48-1	50 ug/l	50 U	25 U	12 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	75-71-8	5 ug/l	500 U	250 U	120 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	100-41-4	5 ug/l	250 U	120 U	62 U	50 U	2.5 U	0.81 J	0.74 J	2.5 U	2.5 U	2.5 U
Freon-113	76-13-1	5 ug/l	930	87 J	140	160	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	98-82-8	5 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate	79-20-9	- ug/l	200 U	100 U	50 U	40 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl cyclohexane	108-87-2	- ug/l	1000 U	500 U	250 U	200 U	0.43 J	2.1 J	1.9 J	1.5 J	1.6 J	10 U
Methyl tert butyl ether	1634-04-4	10 ug/l	250 U	120 U	62 U	50 U	2.6	2.8	2.8	2.6	2.8	2.5 U
Methylene chloride	75-09-2	5 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	95-47-6	5 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.4 J	2.1 J	1.7 J	1.8 J	2.5 U
p/m-Xylene	179601-23-1	5 ug/l	250 U	120 U	62 U	50 U	2.5 U	4.5	4	3.1	3.3	2.5 U
Styrene	100-42-5	5 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	127-18-4	5 ug/l	58	25 U	12 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	108-88-3	5 ug/l	250 U	120 U	62 U	50 U	2.5 U	3.4	3.2	2.5	2.6	2.5 U
trans-1,2-Dichloroethene	156-60-5	5 ug/l	250 U	120 U	62 U	19 J	13	10	11	9.8	10	2.5 U
trans-1,3-Dichloropropene	10061-02-6	0.4 ug/l	50 U	25 U	12 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	79-01-6	5 ug/l	2700	20 J	57	62	0.42 J	0.38 J	0.35 J	0.4 J	0.4 J	0.5 U
Trichlorofluoromethane	75-69-4	5 ug/l	250 U	120 U	62 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	75-01-4	2 ug/l	100 U	230	190	220	140	98	110	100	110	1 U
Total VOCs	None	- ug/l	13976	4092	3823	4198	252.41	186.49	200.85	186.14	199.46	ND
Semivolatile Organics												
1,2,4,5-Tetrachlorobenzene	95-94-3	5 ug/l	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
2,3,4,6-Tetrachlorophenol	58-90-2	- ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2,4,5-Trichlorophenol	95-95-4	- ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2,4,6-Trichlorophenol	88-06-2	- ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2,4-Dichlorophenol	120-83-2	1 ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2,4-Dimethylphenol	105-67-9	50 ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2,4-Dinitrophenol	51-28-5	10 ug/l	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	NA
2,4-Dinitrotoluene	121-14-2	5 ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2,6-Dinitrotoluene	606-20-2	5 ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2-Chloronaphthalene	91-58-7	10 ug/l	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA
2-Chlorophenol	95-57-8	- ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA
2-Methylnaphthalene	91-57-6	- ug/l	0.38	0.26	0.19 J	0.39	0.06 J	0.41	0.46	0.29	0.29	NA
2-Methylphenol	95-48-7	- ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2-Nitroaniline	88-74-4	5 ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2-Nitrophenol	88-75-5	- ug/l	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA
3,3'-Dichlorobenzidine	91-94-1	5 ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
3-Methylphenol/4-Methylphenol	108-39-4	- ug/l	5 U	5 U	5 U	5 U						

Table 9
Historical Soil Analytical Data Table Removed Samples
ENRX Inc., - Voelker Analysis
766 New Babcock Street
Buffalo, NY 14206
Site ID. C915150

PARAMETER	CAS Number	6 NYCRR Part 375- 6.8(a)	6 NYCRR Part 375- 6.8(b)	6 NYCRR Part 375- 6.8(b)	TP2-0'	TP3-1'	TP3-4'	TP5-5'	TP-10 (West)	TP12-5.5'	TP15-4'	TP17-5'	Duplicate 2 TP15-4'
					0-1 ft	1 ft	4 ft	5 ft	NA	5.5 ft	4 ft	5 ft	4 ft
		Urestricted SCO	Protection of Groundwater SCO	Commercial SCO	25-Jul-12	27-Jul-12	27-Jul-12	27-Jul-12	13-Aug-12	19-Mar-13	21-Mar-13	21-Mar-13	22-Mar-13
Volatile Organic Compounds (VOCs) - mg/kg													
1,1,1-Trichloroethane	71-55-6	0.68	0.68	500	<0.0147	<0.0104	<0.00383	<0.105	<0.00554	0.0012 J	0.01	0.024	0.0054 J
1,1-Dichloroethane	75-34-3	0.27	0.27	240	0.0245	<0.0104	0.00377 J	0.0694 J	0.0711	<0.0038	0.0093	0.012	0.011
1,1-Dichloroethene	75-35-4	0.33	0.33	500	<0.0147	<0.0104	<0.00383	<0.105	<0.00554	<0.0038	<0.0049	<0.0049	<0.0057
1,2-Dichlorobenzene	95-50-1	1.1	1.1	500	<0.0147	<0.0104	<0.00383	0.0848 J	0.0157	<0.0038	<0.0049	<0.0049	<0.0057
1,2-Dichloroethane	107-06-2	0.02	0.02	30	<0.0147	<0.0104	<0.00383	<0.105	<0.00554	<0.0038	<0.0049	<0.0049	<0.0057
cis-1,2-Dichloroethene	156-59-2	0.25	0.25	500	0.0297	0.0758	0.0356	1.62	0.141	0.0017 J	0.0089	0.0038 J	0.027
trans-1,2-Dichloroethene	156-60-5	0.19	0.19	500	<0.0147	0.0075 J	<0.00383	<0.105	0.012	<0.0038	<0.0049	<0.0049	0.0014 J
1,3-Dichlorobenzene	541-73-1	2.4	2.4	280	<0.0147	<0.0104	<0.00383	<0.105	<0.00554	<0.0038	<0.0049	<0.0049	<0.0057
1,4-Dichlorobenzene	106-46-7	1.8	1.8	130	<0.0147	<0.0104	<0.00383	<0.105	0.00992	<0.0038	<0.0049	<0.0049	<0.0057
1,4-Dioxane	123-91-1	0.1	0.1	130	NA	<0.104	0.187	< 1.05	2.35 E	<0.075	<0.098	<0.099	<0.11
Acetone	67-64-1	0.05	0.05	500	0.109	0.0472 J	0.0191 J	<0.526	0.0246 J	0.036 JSB	<0.049	<0.049	0.019 JSB
Benzene	71-43-2	0.06	0.06	44	<0.0147	<0.0104	<0.00383	<0.105	<0.00554	<0.0038	<0.0049	<0.0049	<0.0057
n-Butylbenzene	104-51-8	12	12	500	<0.0147	<0.0104	<0.00383	<0.105	<0.00554	NA	NA	NA	NA
Carbon tetrachloride	56-23-5	0.76	0.76	22	<0.0147	<0.0104	<0.00383	<0.105	<0.00554	<0.0038	<0.0049	<0.0049	<0.0057
Chlorobenzene	108-90-7	1.1	1.1	500	<0.0147	<0.0104	<0.00383	0.143	0.0209	<0.0038	<0.0049	<0.0049	<0.0057
Chloroform	67-66-3	0.37	0.37	350	<0.0147	<0.0104	<0.00383	<0.105	<0.00554	<0.0038	<0.0049	<0.0049	<0.0057
Ethylbenzene	100-41-4	1	1	390	0.0141 J	<0.0104	<0.00383	<0.105	<0.00554	<0.0038	<0.0049	<0.0049	<0.0057
Hexachlorobenzene	118-74-1	0.33	3.2	6	<3.42	<0.338	<0.333	<0.414	<39.7	<0.31	<1.5	<8.6	<1.5
Methyl ethyl ketone	78-93-3	0.12	0.12	500	<0.0734	<0.0521	<0.0192	<0.526	<0.0277	0.0046 J	<0.029	<0.03	<0.034
Methyl tert-butyl ether	1634-04-4	0.93	0.93	500	<0.0147	<0.0104	0.00422	<0.105	<0.00554	<0.0075	<0.0098	<0.0099	<0.011
Methylene chloride	75-09-2	0.05	0.05	500	<0.0367	<0.026	<0.00958	<0.263	<0.0139	0.00083 JSB	0.0011 JSB	<0.0049	0.0016 JSB
n-Propylbenzene	103-65-1	3.9	3.9	500	0.0224	<0.0104	<0.00383	<0.105	<0.00554	NA	NA	NA	NA
sec-Butylbenzene	135-98-8	11	11	500	0.00735 J	<0.0104	<0.00383	<0.105	<0.00554	NA	NA	NA	NA
tert-Butylbenzene	98-06-6	5.9	5.9	500	<0.0147	<0.0104	<0.00383	<0.105	< 0.00554	NA	NA	NA	NA
Tetrachloroethene	127-18-4	1.3	1.3	150	0.0344	0.113	0.0297	<0.105	0.00521 J	0.0054	0.0038 J	0.0069	0.0056 J
Toluene	108-88-3	0.7	0.7	500	0.0135 J	<0.0104	<0.00383	<0.105	0.00331 J	0.0022 J	<0.0049	<0.0049	<0.0057
Trichloroethene	79-01-6	0.47	0.47	200	0.0291	0.517	0.0529	<0.105	0.013	0.00086 J	0.0081	0.0088	0.012
1,2,4-Trimethylbenzene	95-63-6	3.6	3.6	190	0.222	<0.0104	<0.00383	<0.105	0.00321 J	NA	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	8.4	8.4	190	0.0519	<0.0104	<0.00383	<0.105	0.00408 J	NA	NA	NA	NA
Vinyl chloride	75-01-4	0.02	0.02	13	<0.0147	<0.0104	<0.00383	0.45	0.0722	<0.0038	<0.0049	<0.0049	<0.0057
Xylene (mixed)	1030-20-7	0.26	1.6	500	0.0943	<0.0104	<0.00383	<0.105	<0.00554	0.0019	<0.0049	<0.0049	<0.0057
Total VOCs	NA	NA	NA	NA	0.62315	0.7605	0.33229	2.3672	2.73894	0.05469	0.04	0.0555	0.083
Semivolatile Organic Compounds (SVOCs) - mg/kg													
Acenaphthene	83-32-9	20	98	500	<3.42	<0.338	<0.333	<0.414	88	7.90	3.9	10 J	2.2 J
Acenaphthylene	208-96-8	100	107	500	<3.42	<0.338	<0.333	<0.414	42.2	1.90	<1.5	<8.6	<1.5
Anthracene	120-12-7	100	1,000	500	1.89 J	<0.338	<0.333	0.283 J	211	15.0 D	7.4	31	1.9 J
Benzo(a)anthracene	56-55-3	1	1	5.6	2.68 J	0.402	<0.333	0.473	242	28.0 D	18	120	6.8
Benzo(a)pyrene	50-32-8	1	22	1	3.24 J	0.391	<0.333	0.341 J	210	22.0 D	16	130	8.2
Benzo(b)fluoranthene	205-99-2	1	1.7	5.6	2.5 J	0.337 J	<0.333	<0.414	189	30.00	23	210	11
Benzo(g,h,i)perylene	191-24-2	100	1,000	500	2.13 J	0.3 J	<0.333	0.29 J	112	8.9	6.2	59	4
Benzo(k)fluoranthene	207-08-9	0.8	1.7	56	<3.42	0.286 J	<0.333	<0.414	137	7.7	7.9	57	3.6
Chrysene	218-01-9	1	1	56	2.95 J	0.428	<0.333	0.628	234	29.0 D	18	130	7
Dibenz(a,h)anthracene	53-70-3	0.33	1,000	0.56	<3.42	<0.338	<0.333	<0.414	31.7 J	0.83	2.1	23	<1.5
Fluoranthene	206-44-0	100	1,000	500	5.86	0.752	<0.333	0.676	536	70.0 D	36	300	12
Fluorene	86-73-7	30	386	500	<3.42	<0.338	<0.333	0.294 J	147	9.7	2.9	9.1 J	<2.7
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	8.2	5.6	<3.42	0.319 J	<0.333	<0.414	143	9.8	6.7	59	4.1
m-Cresol	108-39-4	0.33	0.33	500	<3.42	<0.338	<0.333	<0.414	<39.7	NA	NA	NA	NA
Naphthalene	91-20-3	12	12	500	<3.42	<0.338	<0.333	<0.414	110	3.7	1.5 J	<15	<2.7
o-Cresol	95-48-7	0.33	0.33	500	<3.42	<0.338	<0.333	<0.414	<39.7	NA	NA	NA	NA
p-Cresol	106-44-5	0.33	0.33	500	<3.42	<0.338	<0.333	<0.414	<39.7	NA	NA	NA	NA
Pentachlorophenol	87-86-5	0.8	0.8	6.7	<8.55	<0.845	<0.833	<1.04	<99.3	<0.54	<2.7	<15	<2.7
Phenanthrene	85-01-8	100	1,000	500	8.44	0.452	<0.333	0.485	641	81.0 D	24	140	7.8
Phenol	108-95-2	0.33	0.33	500	<3.42	<0.338	<0.333	<0.414	<39.7	<0.54	<2.7	<15	<2.7
Pyrene	129-00-0	100	1,000	500	11.6	0.682	<0.333	1.54	459	55.0 D	28	220	9.1
Total SVOCs	NA	NA	NA	NA	41.29	4.349	<0.333	5.01	3532.9	380.43	201.6	1498.1	77.7
Total Metals - mg/kg													
Arsenic	7440-38-2	13	16	16	NA	8.49	4.55	12.4	12.7	6.40	4.4	11.5	6.3
Barium	7440-39-3	350	820	400	NA	122	100	111	106	159	116	124	131
Beryllium	7440-41-7	7.2	47	590	NA	0.307 J	0.659	0.653 J	0.516 J	0.24 B	0.82	0.28 B	10.6
Cadmium	7440-43-9	2.5	7.5	9.3	NA	<0.552	<0.575	<0.673	1.24	1.71	1.60	5.19	1.73
Chromium, hexavalent	18540-29-9	1	19	400	NA	<1.2	<1.2	<1.7	<1.4	NA	NA	NA	NA
Chromium, trivalent	16065-83-1	30	--	1,500	NA	9.59	14.9	17.0	37.6	16.7 N	46.3 N	52.3 N	118 N
Copper	7440-50-8	50	1,720	270	NA	114	17.5	135	2460	36.9	208	331	1460
Total Cyanide	--	27	40	27	NA	0.60	0.59	0.86	0.70	NA	NA	NA	NA
Lead	7439-92-1	63	450	1,000	NA	447	10.2	272	624	239	189	247	278
Manganese	7439-96-5	1,600	2,000	10,000	NA	191	676	251	256	388	1810	1950	2770
Total Mercury	7439-97-6	0.18	0.73	3	NA	0.944	0.0371	0.531	0.265	1.10	2.31	1.03	0.16
Nickel	7440-02-0	30	130	310	NA	10.6	24.5	24.4	16.6	12.1 N	30.1 N	39.7 N	37.0 N
Selenium	7782-49-2	3.9	4.0	1,500	NA	<1.10	<1.15	<1.35	3.16	<1.6	<1.7	<1.7	<1.6
Silver	7440-22-4	2	8.3	1,500	NA	<1.10	<1.15	<1.35	1.28 J	<0.39	<0.42	0.31 B	0.48
Zinc	7440-66-6	109	2,480	10,000	NA	83.9	54.8	602	1000	2500	409	1060	467
PCBs - mg/kg													
PCB-1016	1336-36-3	0.1	3.2	1	<0.068	<0.0336	<0.0332	<0.0414	<0.0795	<0.04	<0.19	<0.22	<0.19
PCB-1221	1336-36-3	0.1	3.2	1	<0.068	<0.0336	<0.0332	<0.0414	<0.0795	<0.04	<0.19	<0.22	<0.19
PCB-1232	1336-36-3	0.1	3.2	1	<0.068	<0.0336	<0.0332	<0.0414	<0.0795	<0.04	<0.19	<0.22	<0.19
PCB-1242	1336-36-3	0.1	3.2	1	<0.068	<0.0336	<0.0332	<0.0414	<0.0795	<0.04	<0.19	<0.22	<0.19
PCB-1248	1336-36-3	0.1	3.2	1	0.0836	<0.0336	<0.0332	<0.0414	<0.0795	<0.04	<0.19	<0.22	<0.19
PCB-1254	1336-36-3	0.1	3.2	1	<0.068	<0.0336	<0.0332	<0.0414	<0.0795	<0.04	0.7	0.8	3.6
PCB-1260	1336-36-3	0.1	3.2	1	0.0638 J	<0.0336	<0.0332	<0.0414	<0.0795	<0.04	0.7	0.8	<0.19
PCB-1262	1336-36-3	0.1	3.2	1	NA	NA	NA	NA	NA	<0.04	<0.19	<0.22	<0.19
PCB-1268	1336-36-3	0.1	3.2	1	NA	NA	NA	NA	NA	<0.04	<0.19	<0.22	<0.19
Total PCBs	1336-36-3	0.1	3.2	1	0.1474	<0.0336	<0.0332	<0.0414	<0.0795	<0.04	1.4	1.6	3.

Table 10
Historical Soil Analytical Data Table Remaining Samples
ENRX Inc., - Voelker Analysis
766 New Babcock Street
Buffalo, NY 14206
Site ID. C915150

PARAMETER	CAS Number	6 NYCRR Part 375- 6.8(a)	6 NYCRR Part 375- 6.8(b)	6 NYCRR Part 375- 6.8(b)	TP1-1'	TP1-8'	TP2 (Floor)	TP3/TP4 Floor	TP-7 (5')	TP-8 (North)	TP-8 (East)	TP-8 (South)	TP-8 (West)	TP-8 (Floor)
		1 ft	8 ft	8 ft	8 ft	5 ft	NA	NA	NA	NA	8 ft			
		Unrestricted SCO	Protection of Groundwater SCO	Commercial SCO	25-Jul-12	25-Jul-12	1-Aug-12	26-Jul-12	2-Aug-12	14-Aug-12	14-Aug-12	14-Aug-12	14-Aug-12	13-Aug-12
Volatile Organic Compounds (VOCs) - mg/kg														
1,1,1-Trichloroethane	71-55-6	0.68	0.68	500	<0.00447	<0.00436	<0.0046	NA	<0.0052	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
1,1-Dichloroethane	75-34-3	0.27	0.27	240	<0.00447	<0.00436	<0.0046	NA	<0.0052	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
1,1-Dichloroethene	75-35-4	0.33	0.33	500	<0.00447	<0.00436	<0.0046	NA	<0.0052	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
1,2-Dichlorobenzene	95-50-1	1.1	1.1	500	<0.00447	<0.00436	<0.0046	NA	<0.0052	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
1,2-Dichloroethane	107-06-2	0.02	0.02	30	<0.00447	<0.00436	<0.0046	NA	<0.0052	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
cis-1,2-Dichloroethene	156-59-2	0.25	0.25	500	<0.00447	<0.00436	0.0011 J	NA	0.0015 J	0.00217 J	0.0032 J	<0.0033	0.00645	0.488
trans-1,2-Dichloroethene	156-60-5	0.19	0.19	500	<0.00447	<0.00436	<0.0046	NA	<0.0052	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
1,3-Dichlorobenzene	541-73-1	2.4	2.4	280	<0.00447	<0.00436	<0.0046	NA	<0.0052	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
1,4-Dichlorobenzene	106-46-7	1.8	1.8	130	<0.00447	<0.00436	<0.0046	NA	<0.0052	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
1,4-Dioxane	123-91-1	0.1	0.1	130	NA	NA	<0.096	NA	<0.1	<0.0389	<0.0386	<0.033	<0.0361	<2.39
Acetone	67-64-1	0.05	0.05	500	0.167 B	<0.00436	<0.0092	NA	<0.01	<0.0194	<0.0193	<0.0165	<0.0181	<1.19
Benzene	71-43-2	0.06	0.06	44	<0.00447	<0.00436	<0.0018	NA	<0.0021	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
n-Butylbenzene	104-51-8	12	12	500	<0.00447	<0.00436	<0.00092	NA	<0.001	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
Carbon tetrachloride	56-23-5	0.76	0.76	22	<0.00447	<0.00436	<0.0046	NA	<0.0052	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
Chlorobenzene	108-90-7	1.1	1.1	500	<0.00447	<0.00436	<0.0046	NA	<0.0052	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
Chloroform	67-66-3	0.37	0.37	350	<0.00447	<0.00436	<0.0046	NA	<0.0052	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
Ethylbenzene	100-41-4	1	1	390	<0.00447	<0.00436	<0.0018	NA	<0.0021	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
Hexachlorobenzene	118-74-1	0.33	3.2	6	<3.28	<3.37	<0.15	NA	<0.16	<0.310	<0.340	<0.333	<0.314	<0.430
Methyl ethyl ketone	78-93-3	0.12	0.12	500	<0.0224	<0.0218	<0.028	NA	<0.031	<0.0194	<0.0193	<0.0165	<0.0181	<1.190
Methyl tert-butyl ether	1634-04-4	0.93	0.93	500	<0.00447	<0.00436	<0.0018	NA	0.0022 J	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
Methylene chloride	75-09-2	0.05	0.05	500	0.0125	<0.0109	0.0049 SB	NA	0.018 SB	<0.00972	<0.00965	0.00652 JB	<0.00903	<0.597
n-Propylbenzene	103-65-1	3.9	3.9	500	<0.00447	<0.00436	<0.00092	NA	<0.001	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
sec-Butylbenzene	135-98-8	11	11	500	<0.00447	<0.00436	<0.00092	NA	<0.001	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
tert-Butylbenzene	98-06-6	5.9	5.9	500	<0.00447	<0.00436	<0.00092	NA	<0.001	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
Tetrachloroethene	127-18-4	1.3	1.3	150	0.00514	0.00336 J	<0.0046	NA	0.0011 J	<0.00389	<0.00386	<0.0033	0.0119	<0.239
Toluene	108-88-3	0.7	0.7	500	<0.00447	<0.00436	<0.0018	NA	<0.0021	0.00213 J	<0.00386	<0.0033	<0.00361	<0.239
Trichloroethene	79-01-6	0.47	0.47	200	0.00465	0.00227 J	<0.0046	NA	0.0082	0.0473	0.00283 J	<0.0033	0.0992	<0.239
1,2,4-Trimethylbenzene	95-63-6	3.6	3.6	190	<0.00447	<0.00436	<0.00092	NA	<0.001	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
1,3,5-Trimethylbenzene	108-67-8	8.4	8.4	190	<0.00447	<0.00436	<0.00092	NA	<0.001	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
Vinyl chloride	75-01-4	0.02	0.02	13	<0.00447	<0.00436	<0.0046	NA	<0.0052	<0.00389	<0.00386	<0.0033	<0.00361	<0.239
Xylene (mixed)	1030-20-7	0.26	1.6	500	<0.00447	<0.00436	<0.0018	NA	<0.0052	0.00210 J	<0.00386	<0.0033	<0.00361	<0.239
Total VOCs	NA	NA	NA	NA	0.18929	0.00563	0.006	NA	0.031	0.0537	0.00603	0.00652	0.11755	0.488
Semivolatile Organic Compounds (SVOCs) - mg/kg														
Acenaphthene	83-32-9	20	98	500	4.59	6.76	<0.25	NA	<0.29	<0.31	<0.34	<0.333	<0.314	<0.43
Acenaphthylene	208-96-8	100	107	500	<3.28	<3.37	<0.15	NA	<0.16	<0.31	<0.34	<0.333	<0.314	<0.43
Anthracene	120-12-7	100	1,000	500	11.3	14.9	<0.25	NA	<0.29	<0.31	<0.34	<0.333	<0.314	<0.43
Benzo(a)anthracene	56-55-3	1	1	5.6	15.9	20.5	<0.25	NA	<0.29	<0.31	<0.34	0.499	<0.314	<0.43
Benzo(a)pyrene	50-32-8	1	22	1	13.7	17.1	<0.15	NA	<0.16	<0.31	<0.34	0.532	<0.314	<0.43
Benzo(b)fluoranthene	205-99-2	1	1.7	5.6	13.6	16.1	<0.25	NA	<0.29	<0.31	<0.34	0.574	<0.314	<0.43
Benzo(g,h,i)perylene	191-24-2	100	1,000	500	7.77	8.9	<0.25	NA	<0.29	<0.31	<0.34	0.397	<0.314	<0.43
Benzo(k)fluoranthene	207-08-9	0.8	1.7	56	7.78	13	<0.25	NA	<0.29	<0.31	<0.34	0.396	<0.314	<0.43
Chrysene	218-01-9	1	1	56	15.1	19.5	<0.25	NA	<0.29	<0.31	<0.34	0.529	<0.314	<0.43
Dibenz(a,h)anthracene	53-70-3	0.33	1,000	0.56	1.9 J	<3.37	<0.15	NA	<0.16	<0.31	<0.34	<0.333	<0.314	<0.43
Fluoranthene	206-44-0	100	1,000	500	37.6	48	0.13 J	NA	<0.29	<0.31	<0.34	1.13	0.2 J	<0.43
Fluorene	86-73-7	30	386	500	4.13	6.41	<0.25	NA	<0.29	<0.31	<0.34	<0.333	<0.314	<0.43
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	8.2	5.6	8.29	11.7	<0.25	NA	<0.29	<0.31	<0.34	0.454	<0.314	<0.43
m-Cresol	108-39-4	0.33	0.33	500	<3.28	<3.37	NA	NA	NA	<0.31	<0.34	<0.333	<0.314	<0.43
Naphthalene	91-20-3	12	12	500	<3.28	2.4 J	<0.25	NA	<0.29	<0.31	<0.34	<0.333	<0.314	<0.43
o-Cresol	95-48-7	0.33	0.33	500	<3.28	<3.37	NA	NA	NA	<0.31	<0.34	<0.333	<0.314	<0.43
p-Cresol	106-44-5	0.33	0.33	500	<3.28	<3.37	NA	NA	NA	<0.31	<0.34	<0.333	<0.314	<0.43
Pentachlorophenol	87-86-5	0.8	0.8	6.7	<8.21	<8.42	<0.25	NA	<0.29	<0.774	<0.851	<0.832	<0.785	<1.08
Phenanthrene	85-01-8	100	1,000	500	41.7	55.6	<0.15	NA	<0.16	<0.31	<0.34	0.588	<0.314	<0.43
Phenol	108-95-2	0.33	0.33	500	<3.28	<3.37	<0.25	NA	<0.29	<0.31	<0.34	<0.333	<0.314	<0.43
Pyrene	129-00-0	100	1,000	500	33.4	43.5	0.16 J	NA	<0.29	<0.31	<0.34	0.9	0.177 J	<0.43
Total SVOCs	NA	NA	NA	NA	216.76	284.37	0.290	NA	<0.29	<0.31	<0.34	5.999	0.377	<0.43
Total Metals - mg/kg														
Arsenic	7440-38-2	13	16	16	NA	9.41	8.3	NA	5.9	3.90	3.74	5.69	5.65	20.7
Barium	7440-39-3	350	820	400	NA	93.0	49.2	NA	116	43.4	57.2	125	50.2	100
Beryllium	7440-41-7	7.2	47	590	NA	0.695	0.39	NA	0.73	0.276 J	0.422 J	0.723	0.284 J	0.553 J
Cadmium	7440-43-9	2.5	7.5	9.3	NA	0.626	0.19 B	NA	<0.40	0.848	0.434 J	0.433 J	0.512 J	1.60
Chromium, hexavalent	18540-29-9	1	19	400	NA	<1.2	<0.44	NA	<0.48	<1.2	<1.0	<1.0	<1.2	<1.9
Chromium, trivalent	16065-83-1	30	--	1,500	NA	11.7	10.6	NA	21.2	9.92	12.7	21.0	8.46	15.7
Copper	7440-50-8	50	1,720	270	NA	182	48.3	NA	24.8	10.7	14.9	19.7	21.4	51.7
Total Cyanide	--	27	40	27	NA	0.61	<0.56	NA	0.52	0.58	0.57	0.53	0.62	0.94
Lead	7439-92-1	63	450	1,000	NA	228	10.6	NA	15.6	8.84	7.16	14.0	50.4	166
Manganese	7439-96-5	1,600	2,000	10,000	NA	272	711	NA	420	668	466	619	461	228
Total Mercury	7439-97-6	0.18	0.73	3	NA	0.135	<0.07	NA	<0.08	0.0336	0.0129	0.0287	0.906	0.351
Nickel	7440-02-0	30	130	310	NA	18.3	21.8	NA	26.0	22.9	41.1	25.9	10.3	34.7
Selenium	7782-49-2	3.9	4.0	1,500	NA	0.629 J	<1.5	NA	<1.6	<1.03	<1.18	<1.10	0.826 J	<1.35
Silver	7440-22-4	2	8.3	1,500	NA	<1.14	<0.37	NA	<0.40	<1.03	<1.18	<1.10	<1.09	<1.35
Zinc	7440-66-6	109	2,480	10,000	NA	991	128	NA	72.3	804	68.4	68.8	266	663
PCBs - mg/kg														
PCB-1016	1336-36-3	0.1	3.2	1	<0.0329	<0.0337	<0.091	<0.0304	<0.1	<0.0311	<0.0337	<0.0335	<0.0317	<0.043
PCB-1221	1336-36-3	0.1	3.2	1	<0.0329	<0.0337	<0.091	<0.0304	<0.1	<0.0311	<0.0337	<0.0335	<0.0317	<0.043
PCB-1232	1336-36-3	0.1	3.2	1	<0.0329	<								

Table 10
Historical Soil Analytical Data Table Remaining Samples
ENRX Inc., - Voelker Analysis
766 New Babcock Street
Buffalo, NY 14206
Site ID. C915150

PARAMETER	CAS Number	6 NYCRR Part 375- 6.8(a)	6 NYCRR Part 375- 6.8(b)	6 NYCRR Part 375- 6.8(b)	TP-10 (North)	TP-10 (East)	TP-10 (South)	TP-10 (Floor)	BR-1 (8-9')	BR-2 (8-10')	BR-3 (8-9')	BR-4 (0-4')	SB-1 (4-8')	SB-2 (4-8')	Duplicate SB-1 (4-8')
					NA	NA	NA	8 ft	8-9 ft	8-10 ft	8-9 ft	0-4 ft	4-8 ft	4-8 ft	4-8 ft
		Unrestricted SCO	Protection of Groundwater SCO	Commercial SCO	13-Aug-12	13-Aug-12	13-Aug-12	13-Aug-12	7-Aug-12	7-Aug-12	8-Aug-12	8-Aug-12	13-Aug-12	13-Aug-12	13-Aug-12
Volatile Organic Compounds (VOCs) - mg/kg															
1,1,1-Trichloroethane	71-55-6	0.68	0.68	500	<0.00294	<0.00355	<0.00359	<0.00394	0.036	<0.0053	<0.0048	<0.0051	<0.0043	<0.004	<0.00319
1,1-Dichloroethane	75-34-3	0.27	0.27	240	0.00992	0.00254 J	0.00258 J	0.00578	0.052	0.011	<0.0048	<0.0051	<0.0043	<0.004	<0.00319
1,1-Dichloroethene	75-35-4	0.33	0.33	500	<0.00294	<0.00355	<0.00359	<0.00394	<0.0054	<0.0053	<0.0048	<0.0051	<0.0043	<0.004	<0.00319
1,2-Dichlorobenzene	95-50-1	1.1	1.1	500	0.00156 J	<0.00355	<0.00359	< 0.00394	<0.0054	<0.0053	<0.0048	<0.0051	<0.0043	<0.004	<0.00319
1,2-Dichloroethane	107-06-2	0.02	0.02	30	<0.00294	<0.00355	<0.00359	< 0.00394	<0.0054	<0.0053	<0.0048	<0.0051	<0.0043	<0.004	<0.00319
cis-1,2-Dichloroethene	156-59-2	0.25	0.25	500	0.00472	0.06	0.335	0.197	0.08	0.002 J	0.016	0.0034 J	0.0088	0.0023 J	0.0433
trans-1,2-Dichloroethene	156-60-5	0.19	0.19	500	<0.00294	<0.00355	0.00712	0.00862	0.0073	<0.0053	0.00099 J	<0.0051	<0.0043	<0.004	<0.00319
1,3-Dichlorobenzene	541-73-1	2.4	2.4	280	<0.00294	<0.00355	<0.00359	<0.00394	<0.0054	<0.0053	<0.0048	<0.0051	<0.0043	<0.004	<0.00319
1,4-Dichlorobenzene	106-46-7	1.8	1.8	130	<0.00294	<0.00355	<0.00359	0.0133	<0.0054	<0.0053	<0.0048	<0.0051	<0.0043	<0.004	<0.00319
1,4-Dioxane	123-91-1	0.1	0.1	130	0.624 E	0.196	0.31	1.49 E	<0.11	<0.11	<0.093	<0.1	<0.043	0.287	0.555 E
Acetone	67-64-1	0.05	0.05	500	<0.0147	<0.0178	<0.018	<0.0197	<0.054	0.11 SB	<0.048	0.0072 JSB	<0.0215	<0.02	<0.016
Benzene	71-43-2	0.06	0.06	44	<0.00294	<0.00355	<0.00359	<0.00394	0.0013 J	<0.0053	<0.0048	<0.0051	<0.0043	<0.004	<0.00319
n-Butylbenzene	104-51-8	12	12	500	<0.00294	<0.00355	<0.00359	<0.00394	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	56-23-5	0.76	0.76	22	<0.00294	<0.00355	<0.00359	<0.00394	<0.0054	<0.0053	<0.0048	<0.0051	<0.0043	<0.004	<0.00319
Chlorobenzene	108-90-7	1.1	1.1	500	<0.00294	<0.00355	0.00389	0.0317	<0.0054	<0.0053	<0.0048	<0.0051	<0.0043	<0.004	0.00237 J
Chloroform	67-66-3	0.37	0.37	350	<0.00294	<0.00355	<0.00359	<0.00394	<0.0054	<0.0053	<0.0048	<0.0051	<0.0043	<0.004	<0.00319
Ethylbenzene	100-41-4	1	1	390	<0.00294	<0.00355	<0.00359	<0.00394	<0.0054	<0.0053	<0.0048	<0.0051	<0.0043	<0.004	<0.00319
Hexachlorobenzene	118-74-1	0.33	3.2	6	<0.352	<0.345	<0.324	<0.355	<0.17	<0.17	<0.15	<0.16	<0.346	<0.356	<0.333
Methyl ethyl ketone	78-93-3	0.12	0.12	500	<0.0147	<0.0178	<0.018	<0.0197	<0.032	0.0082 J	<0.029	<0.031	<0.0215	<0.020	<0.016
Methyl tert-butyl ether	1634-04-4	0.93	0.93	500	<0.00294	<0.00355	<0.00359	<0.00394	<0.011	<0.011	<0.0095	<0.01	<0.0043	<0.004	<0.00319
Methylene chloride	75-09-2	0.05	0.05	500	<0.00735	<0.00889	<0.00898	0.00709 JB	0.0037 JSB	0.0071 SB	0.0018 JSB	0.0023 JSB	<0.0108	<0.01	0.00444 JB
n-Propylbenzene	103-65-1	3.9	3.9	500	<0.00294	<0.00355	<0.00359	<0.00394	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	135-98-8	11	11	500	<0.00294	<0.00355	<0.00359	<0.00394	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	98-06-6	5.9	5.9	500	<0.00294	<0.00355	<0.00359	<0.00394	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	127-18-4	1.3	1.3	150	<0.00294	0.00207 J	0.0141	0.0095	0.06	<0.0053	0.0029 J	<0.0051	0.00664	<0.004	0.00272 J
Toluene	108-88-3	0.7	0.7	500	<0.00294	<0.00355	<0.00359	0.00198 J	0.0065	<0.0053	<0.0048	<0.0051	<0.0043	<0.004	<0.00319
Trichloroethene	79-01-6	0.47	0.47	200	0.00224 J	0.0415	0.0394	0.0253	0.47	<0.0053	0.033	<0.0051	0.154	0.00461	0.0379
1,2,4-Trimethylbenzene	95-63-6	3.6	3.6	190	<0.00294	<0.00355	<0.00359	<0.00394	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	8.4	8.4	190	<0.00294	<0.00355	<0.00359	<0.00394	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	75-01-4	0.02	0.02	13	<0.00294	0.00246 J	0.00421	0.0248	<0.0054	0.0068	<0.0048	<0.0051	<0.0043	<0.004	<0.00319
Xylene (mixed)	1030-20-7	0.26	1.6	500	<0.00294	<0.00355	<0.00359	<0.00395	<0.0054	<0.0053	<0.0048	<0.0051	<0.0043	<0.004	<0.00319
Total VOCs	NA	NA	NA	NA	0.64244	0.30457	0.7163	1.81507	0.7168	0.1451	0.05469	0.0129	0.16944	0.29391	0.64573
Semivolatile Organic Compounds (SVOCs) - mg/kg															
Acenaphthene	83-32-9	20	98	500	<0.352	<0.345	<0.324	0.373	<0.3	<0.3	<0.26	<0.28	<0.346	<0.356	<0.333
Acenaphthylene	208-96-8	100	107	500	<0.352	<0.345	<0.324	<0.355	<0.17	<0.17	<0.15	<0.16	<0.346	<0.356	<0.333
Anthracene	120-12-7	100	1,000	500	0.192 J	<0.345	<0.324	0.882	<0.3	<0.3	<0.26	<0.28	<0.346	<0.356	0.198 J
Benzo(a)anthracene	56-55-3	1	1	5.6	0.328 J	0.36	0.434	1.62	<0.3	0.24 J	<0.26	<0.28	0.3 J	<0.356	0.513
Benzo(a)pyrene	50-32-8	1	22	1	0.267 J	0.364	0.448	1.49	<0.17	0.2	<0.15	<0.16	0.299 J	<0.356	0.506
Benzo(b)fluoranthene	205-99-2	1	1.7	5.6	0.183 J	0.349	0.46	1.31	<0.3	0.29 J	<0.26	<0.28	0.3 J	<0.356	0.519
Benzo(g,h,i)perylene	191-24-2	100	1,000	500	0.331 J	0.243 J	0.312 J	0.913	<0.3	0.15 J	<0.26	<0.28	0.196 J	<0.356	0.305 J
Benzo(k)fluoranthene	207-08-9	0.8	1.7	56	<0.352	0.226 J	0.286 J	1.08	<0.3	<0.3	<0.26	<0.28	<0.346	<0.356	0.372
Chrysene	218-01-9	1	1	56	0.52	0.394	0.477	1.72	<0.3	0.22 J	<0.26	<0.28	0.33 J	<0.356	0.528
Dibenz(a,h)anthracene	53-70-3	0.33	1,000	0.56	<0.352	<0.345	<0.324	0.236 J	<0.17	<0.17	<0.15	<0.16	<0.346	<0.356	<0.333
Fluoranthene	206-44-0	100	1,000	500	0.449	0.728	0.935	3.29	<0.3	0.65	0.14 J	<0.28	0.614	<0.356	1.07
Fluorene	86-73-7	30	386	500	0.201 J	<0.345	<0.324	0.504	<0.3	<0.3	<0.26	<0.28	<0.346	<0.356	<0.333
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	8.2	5.6	<0.352	0.321 J	0.398	1.05	<0.3	<0.3	<0.26	<0.28	0.214 J	<0.356	0.378
m-Cresol	108-39-4	0.33	0.33	500	<0.352	<0.345	<0.324	<0.355	NA	NA	NA	NA	<0.346	<0.356	<0.333
Naphthalene	91-20-3	12	12	500	<0.352	<0.345	<0.324	0.187 J	<0.3	<0.3	<0.26	<0.28	<0.346	<0.356	<0.333
o-Cresol	95-48-7	0.33	0.33	500	<0.352	<0.345	<0.324	<0.355	NA	NA	NA	NA	<0.346	<0.356	<0.333
p-Cresol	106-44-5	0.33	0.33	500	<0.352	<0.345	<0.324	<0.355	NA	NA	NA	NA	<0.346	<0.356	<0.333
Pentachlorophenol	87-86-5	0.8	0.8	6.7	<0.88	<0.863	<0.811	<0.888	<0.3	<0.3	<0.26	<0.28	<0.864	<0.89	<0.832
Phenanthrene	85-01-8	100	1,000	500	0.488	0.411	0.504	2.41	<0.17	0.36	<0.15	<0.16	0.355	<0.356	0.43
Phenol	108-95-2	0.33	0.33	500	<0.352	<0.345	<0.324	<0.355	<0.3	<0.3	<0.26	<0.28	<0.346	<0.356	<0.333
Pyrene	129-00-0	100	1,000	500	1.35	0.711	0.84	3.27	<0.3	0.56	0.14 J	<0.28	0.543	<0.356	0.903
Total SVOCs	NA	NA	NA	NA	4.309	4.107	5.094	20.335	<0.3	2.67	0.28	<0.28	3.151	<0.356	5.722
Total Metals - mg/kg															
Arsenic	7440-38-2	13	16	16	8.57	5.37	5.03	6.31	2.2	4.7	3.8	4.8	7.99	6.74	14.1
Barium	7440-39-3	350	820	400	101	87.0	102	110	83.4	101	68.2	169	266	141	41.7
Beryllium	7440-41-7	7.2	47	590	0.349 J	0.593	0.703	0.728	0.86	0.72	0.36	0.81	0.454 J	0.879	0.318 J
Cadmium	7440-43-9	2.5	7.5	9.3	1.35	0.366 J	0.488 J	0.551	0.26	0.20	0.20 B	0.17 B	0.766	0.524 J	<0.548
Chromium, hexavalent	18540-29-9	1	19	400	<1.2	<1.2	<1.1	<1.1	<0.46	<0.51	<0.43	<0.40	<1.2	<1.2	<1.2
Chromium, trivalent	16065-83-1	30	--	1,500	12.9	19.5	20.2	23.0	23.7	21.8	12.0	23.6	22.2	26.7	10.9
Copper	7440-50-8	50	1,720	270	217	22.8	19.6	28.4	8.00	11.4	42.3	49.6	83.9	25.4	24.2
Total Cyanide	--	27	40	27	0.62	0.62	0.55	0.58	<0.50	<0.64	<0.44	<0.62	0.59	0.62	0.60
Lead	7439-92-1	63	450	1,000	690	23.3	17.0	36.9	15.0	13.6	45.3	46.7	390	14.8	36.0
Manganese	7439-96-5	1,600	2,000	10,000	159	401	499	515	337	138	269	345	495	508	333
Total Mercury	7439-97-6	0.18	0.73	3	0.546	0.0304	0.0664	0.128	<0.09	0.11	0.06	<0.08	0.325	0.0299	<0.0090
Nickel	7440-02-0	30	130	310	16.4	21.6	20.2	21.5	20.6	27.6	10.9	25.4	21.1	30.9	8.50
Selenium	7782-49-2	3.9	4.0	1,500	0.771 J	0.878 J	<1.08								

Table 10
Historical Soil Analytical Data Table Remaining Samples
ENRX Inc., - Voelker Analysis
766 New Babcock Street
Buffalo, NY 14206
Site ID. C915150

PARAMETER	CAS Number	6 NYCRR Part 375- 6.8(a)	6 NYCRR Part 375- 6.8(b)	6 NYCRR Part 375- 6.8(b)	TP11-7' Gray Clay	TP11-7' Brown Clay	TP13-2'	TP14-7'	TP16	Vault Floor	Duplicate Vault Floor	TP-12	Duplicate TP-12
		7 ft	7 ft	2 ft	7 ft	4 ft	8 ft	8 ft	8 ft	8 ft			
		Unrestricted SCO	Protection of Groundwater SCO	Commercial SCO	19-Mar-13	19-Mar-13	19-Mar-13	20-Mar-13	21-Mar-13	26-Jun-13	26-Jun-13	2-Jul-13	2-Jul-13
Volatile Organic Compounds (VOCs) - mg/kg													
1,1,1-Trichloroethane	71-55-6	0.68	0.68	500	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	<0.0054	<0.0053	<0.0071	<0.0071
1,1-Dichloroethane	75-34-3	0.27	0.27	240	<0.0057	<0.0055	<0.0056	<0.0044	0.0058	<0.0054	<0.0053	<0.0071	<0.0071
1,1-Dichloroethene	75-35-4	0.33	0.33	500	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	<0.0054	<0.0053	<0.0071	<0.0071
1,2-Dichlorobenzene	95-50-1	1.1	1.1	500	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	<0.0054	<0.0053	<0.0071	<0.0071
1,2-Dichloroethane	107-06-2	0.02	0.02	30	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	<0.0054	<0.0053	<0.0071	<0.0071
cis-1,2-Dichloroethene	156-59-2	0.25	0.25	500	<0.0057	<0.0055	<0.0056	0.009	0.0034 J	<0.0054	<0.0053	<0.0071	<0.0071
trans-1,2-Dichloroethene	156-60-5	0.19	0.19	500	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	<0.0054	<0.0053	<0.0071	<0.0071
1,3-Dichlorobenzene	541-73-1	2.4	2.4	280	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	<0.0054	<0.0053	<0.0071	<0.0071
1,4-Dichlorobenzene	106-46-7	1.8	1.8	130	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	<0.0054	<0.0053	<0.0071	<0.0071
1,4-Dioxane	123-91-1	0.1	0.1	130	<0.11	<0.11	<0.11	<0.089	<0.077	<0.11	<0.11	<0.14	<0.14
Acetone	67-64-1	0.05	0.05	500	0.021 JSB	0.03 JSB	0.01 JSB	0.012 JSB	<0.039	<0.054	<0.053	0.099 S	0.068 JS
Benzene	71-43-2	0.06	0.06	44	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	<0.0054	<0.0053	<0.0071	<0.0071
n-Butylbenzene	104-51-8	12	12	500	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	56-23-5	0.76	0.76	22	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	<0.0054	<0.0053	<0.0071	<0.0071
Chlorobenzene	108-90-7	1.1	1.1	500	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	<0.0054	<0.0053	<0.0071	<0.0071
Chloroform	67-66-3	0.37	0.37	350	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	0.0011 J	<0.0053	<0.0071	<0.0071
Ethylbenzene	100-41-4	1	1	390	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	<0.0054	<0.0053	<0.0071	<0.0071
Hexachlorobenzene	118-74-1	0.33	3.2	6	<0.15	<0.16	<0.17	<0.16	<0.29	<0.14	<0.14	<0.18	<0.19
Methyl ethyl ketone	78-93-3	0.12	0.12	500	<0.034	<0.033	<0.034	<0.027	<0.023	<0.032	<0.032	0.021 J	0.011 J
Methyl tert-butyl ether	1634-04-4	0.93	0.93	500	<0.011	<0.011	<0.011	<0.0089	<0.0077	<0.011	<0.011	<0.014	<0.014
Methylene chloride	75-09-2	0.05	0.05	500	0.0049 JSB	<0.0055	0.002 JSB	0.00083 JSB	0.00066 JSB	0.01 BS	0.009 BS	0.0076	0.0098 BS
n-Propylbenzene	103-65-1	3.9	3.9	500	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	135-98-8	11	11	500	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	98-06-6	5.9	5.9	500	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	127-18-4	1.3	1.3	150	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	<0.0054	<0.0053	<0.0071	<0.0071
Toluene	108-88-3	0.7	0.7	500	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	<0.0054	<0.0053	<0.0071	<0.0071
Trichloroethene	79-01-6	0.47	0.47	200	<0.0057	<0.0055	<0.0056	<0.0044	0.0016 J	<0.0054	<0.0053	<0.0071	<0.0071
1,2,4-Trimethylbenzene	95-63-6	3.6	3.6	190	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	8.4	8.4	190	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	75-01-4	0.02	0.02	13	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	<0.0054	<0.0053	<0.0071	<0.0071
Xylene (mixed)	1030-20-7	0.26	1.6	500	<0.0057	<0.0055	<0.0056	<0.0044	<0.0039	<0.0054	<0.0053	<0.0071	<0.0071
Total VOCs	NA	NA	NA	NA	0.0259	0.03	0.012	0.02183	0.01146	0.0111	0.009	0.1276	0.0888
Semivolatile Organic Compounds (SVOCs) - mg/kg													
Acenaphthene	83-32-9	20	98	500	<0.26	<0.27	<0.3	<0.28	1.3	<0.25	<0.24	0.76	<0.33
Acenaphthylene	208-96-8	100	107	500	<0.15	<0.16	<0.17	<0.16	0.28 J	<0.14	<0.14	0.42	<0.19
Anthracene	120-12-7	100	1,000	500	<0.26	<0.27	<0.3	<0.28	1.8	<0.25	<0.24	2.5	<0.33
Benzo(a)anthracene	56-55-3	1	1	5.6	0.32	<0.27	0.27 J	<0.28	5.5	<0.25	<0.24	9.6 D	<0.33
Benzo(a)pyrene	50-32-8	1	22	1	0.24	<0.16	0.24	<0.16	6.2	<0.14	<0.14	9.2 D	<0.19
Benzo(b)fluoranthene	205-99-2	1	1.7	5.6	0.29	<0.27	0.32	<0.28	8.2	<0.25	<0.24	12 D	<0.33
Benzo(g,h,i)perylene	191-24-2	100	1,000	500	0.14 J	<0.27	0.17 J	<0.28	2.4	<0.25	<0.24	4.6	<0.33
Benzo(k)fluoranthene	207-08-9	0.8	1.7	56	<0.26	<0.27	<0.3	<0.28	2.1	<0.25	<0.24	2	<0.33
Chrysene	218-01-9	1	1	56	0.24 J	<0.27	0.25 J	<0.28	5.5	<0.25	<0.24	9.3 D	<0.33
Dibenz(a,h)anthracene	53-70-3	0.33	1,000	0.56	<0.15	<0.16	<0.17	<0.16	0.78	<0.14	<0.14	1.3	<0.19
Fluoranthene	206-44-0	100	1,000	500	0.52	<0.27	0.46	<0.28	11 D	<0.25	<0.24	21 D	<0.33
Fluorene	86-73-7	30	386	500	<0.26	<0.27	<0.3	<0.28	0.74	<0.25	<0.24	1.2	<0.33
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	8.2	5.6	0.13 J	<0.27	0.16 J	<0.28	2.5	<0.25	<0.24	4.4	<0.33
m-Cresol	108-39-4	0.33	0.33	500	NA	NA	NA	NA	NA	NA	<0.24	<0.32	<0.33
Naphthalene	91-20-3	12	12	500	<0.26	<0.27	<0.3	<0.28	0.51	<0.25	<0.24	1.1	<0.33
o-Cresol	95-48-7	0.33	0.33	500	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Cresol	106-44-5	0.33	0.33	500	NA	NA	NA	NA	NA	NA	<0.24	<0.32	<0.33
Pentachlorophenol	87-86-5	0.8	0.8	6.7	<0.26	<0.27	<0.3	<0.28	<0.5	<0.25	<0.24	<0.32	<0.33
Phenanthrene	85-01-8	100	1,000	500	0.17	<0.16	0.28	<0.16	6.9	<0.14	<0.14	12 D	<0.19
Phenol	108-95-2	0.33	0.33	500	<0.26	<0.27	<0.3	<0.28	<0.5	<0.25	<0.24	<0.32	<0.33
Pyrene	129-00-0	100	1,000	500	0.41	<0.27	0.41	<0.28	9.4	<0.25	<0.24	17 D	<0.33
Total SVOCs	NA	NA	NA	NA	2.46	<0.27	2.56	<0.28	65.11	<0.25	<0.24	108.38	<0.33
Total Metals - mg/kg													
Arsenic	7440-38-2	13	16	16	1.9	3.4	6.0	4.3	5.7	9.4	10.4	5.5	5.2
Barium	7440-39-3	350	820	400	47.6	79.4	208	71.2	121	56.2	53.4	132	132
Beryllium	7440-41-7	7.2	47	590	0.30 B	0.40	0.85	0.70	1.16	0.41	0.41	0.74	0.78
Cadmium	7440-43-9	2.5	7.5	9.3	0.42	0.50	1.79	0.71	1.66	0.59	0.62	0.82	0.82
Chromium, hexavalent	18540-29-9	1	19	400	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, trivalent	16065-83-1	30	--	1,500	10.1 N	13.1 N	23.5 N	21.6 N	275 N	11.3	9.97	22.0	25.4
Copper	7440-50-8	50	1,720	270	10.7	13.2	27.3	11.7	1220	36.3	43.1	23.5	23.5
Total Cyanide	--	27	40	27	NA	NA	NA	NA	NA	<0.54	<0.53	<0.64	<0.70
Lead	7439-92-1	63	450	1,000	9.6	7.9	29.0	14.6	251	13.1	12.4	202	90.8
Manganese	7439-96-5	1,600	2,000	10,000	312	430	730	240	5550	440	563	861	870
Total Mercury	7439-97-6	0.18	0.73	3	<0.09	0.08 B	<0.10	<0.10	0.53	<0.06	<0.06	0.85	0.12
Nickel	7440-02-0	30	130	310	9.38 N	14.2 N	28.4 N	21.6 N	32.0 N	22.4	20.9	19.3	22.5
Selenium	7782-49-2	3.9	4.0	1,500	<1.5	<1.5	<1.6	<1.6	<1.4	<1.4	<1.4	<1.7	<1.7
Silver	7440-22-4	2	8.3	1,500	<0.37	<0.37	<0.40	<0.41	0.43	<0.34	<0.34	0.56	0.61
Zinc	7440-66-6	109	2,480	10,000	61.6	47.9	2760	71.3	490	126	124	118	104
PCBs - mg/kg													
PCB-1016	1336-36-3	0.1	3.2	1	<0.038	<0.039	<0.042	<0.041	<0.18	<0.035	<0.035	<0.046	<0.047
PCB-1221	1336-36-3	0.1	3.2	1	<0.038	<0.039	<0.042	<0.041	<0.18	<0.035	<0.035	<0.046	<0.047
PCB-1232	1336-36-3	0.1	3.2	1	<0.038	<0.039	<0.042	<0.041	<0.18	<0.035	<0.035	<0.046	<0.047
PCB-1242	1336-36-3	0.1	3.2	1	<0.038	<0.039	<0.042	<0.041	<0.18	<0.035	<0.035	<0.046	<0.047
PCB-1248	1336-36-3	0.1	3.2	1	<0.038	<0.039	<0.042	<0.041	<0.18	<0.035	<0.035	<0.046	<0.047
PCB-1254	1336-36-3	0.1	3.2	1	<0.038	<0.039	<0.042	<0.041	3.3	<0.035	<0.035	<0.046	<0.047
PCB-1260	1336-36-3	0.1	3.2	1	<0.038	<0.039	<0.042	<0.041	<0.18	<0.035	<0.035	<0.046	<0.047
PCB-1262	1336-36-3	0.1	3.2	1	<0.038	<0.039	<0.042	<0.041	<0.18	<0.035	<0.035	<0.046	<0.047
PCB-1268	1336-36-3	0.1	3.2	1	<0.038	<0.039	<0.042	<0.041	<0.18	<0.035	<0.035	<0.046	<0.047
Total PCBs	1336-36-3	0.1	3.2	1	<0.038	<0.039	<0.042	<0.041	3.3	<0.035	<0.035	<	

Table 10
Historical Soil Analytical Data Table Remaining Samples
ENRX Inc., - Voelker Analysis
766 New Babcock Street
Buffalo, NY 14206
Site ID. C915150

PARAMETER	CAS Number	6 NYCRR Part 375- 6.8(a)	6 NYCRR Part 375- 6.8(b)	6 NYCRR Part 375- 6.8(b)	ISB-1	ISB-2	ISB-3	ISB-5	DUPLICATE ISB-3
					0-8 ft	0-8 ft	0-8 ft	0-8 ft	0-8 ft
		Unrestricted SCO	Protection of Groundwater SCO	Commercial SCO	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13
Volatile Organic Compounds (VOCs) - mg/kg									
1,1,1-Trichloroethane	71-55-6	0.68	0.68	500	0.0016 J	<0.016	0.012	<0.0085	0.0044 J
1,1-Dichloroethane	75-34-3	0.27	0.27	240	<0.0049	<0.016	<0.0086	0.0023 J	0.0017 J
1,1-Dichloroethene	75-35-4	0.33	0.33	500	<0.0049	<0.016	<0.0086	<0.0085	<0.0068
1,2-Dichlorobenzene	95-50-1	1.1	1.1	500	<0.0049	<0.016	<0.0086	<0.0085	<0.0068
1,2-Dichloroethane	107-06-2	0.02	0.02	30	<0.0049	<0.016	<0.0086	<0.0085	<0.0068
cis-1,2-Dichloroethene	156-59-2	0.25	0.25	500	<0.0049	0.005 J	<0.0086	0.002 J	<0.0068
trans-1,2-Dichloroethene	156-60-5	0.19	0.19	500	<0.0049	<0.016	<0.0086	<0.0085	<0.0068
1,3-Dichlorobenzene	541-73-1	2.4	2.4	280	<0.0049	<0.016	<0.0086	<0.0085	<0.0068
1,4-Dichlorobenzene	106-46-7	1.8	1.8	130	<0.0049	<0.016	<0.0086	<0.0085	<0.0068
1,4-Dioxane	123-91-1	0.1	0.1	130	<0.099	<0.31	<0.17	<0.17	<0.14
Acetone	67-64-1	0.05	0.05	500	0.024 JS	0.13 JS	0.095 S	0.15 S	0.065 JS
Benzene	71-43-2	0.06	0.06	44	0.0063	0.036	0.016	0.021	0.012
n-Butylbenzene	104-51-8	12	12	500	NA	NA	NA	NA	NA
Carbon tetrachloride	56-23-5	0.76	0.76	22	<0.0049	<0.016	<0.0086	<0.0085	<0.0068
Chlorobenzene	108-90-7	1.1	1.1	500	<0.0049	<0.016	<0.0086	<0.0085	<0.0068
Chloroform	67-66-3	0.37	0.37	350	<0.0049	<0.016	<0.0086	<0.0085	<0.0068
Ethylbenzene	100-41-4	1	1	390	<0.0049	0.005 J	0.0019 J	0.0031 J	0.0014 J
Hexachlorobenzene	118-74-1	0.33	3.2	6	<0.16	<0.19	<0.16	<0.18	<0.16
Methyl ethyl ketone	78-93-3	0.12	0.12	500	<0.03	0.032 J	<0.052	0.036 J	0.018 J
Methyl tert-butyl ether	1634-04-4	0.93	0.93	500	<0.0099	<0.031	<0.017	<0.017	<0.014
Methylene chloride	75-09-2	0.05	0.05	500	<0.0049	<0.016	<0.0086	<0.0085	<0.0068
n-Propylbenzene	103-65-1	3.9	3.9	500	NA	NA	NA	NA	NA
sec-Butylbenzene	135-98-8	11	11	500	NA	NA	NA	NA	NA
tert-Butylbenzene	98-06-6	5.9	5.9	500	NA	NA	NA	NA	NA
Tetrachloroethene	127-18-4	1.3	1.3	150	<0.0049	<0.016	0.0071 J	<0.0085	0.0034 J
Toluene	108-88-3	0.7	0.7	500	0.0096	0.065	0.026	0.037	0.02
Trichloroethene	79-01-6	0.47	0.47	200	<0.0049	<0.016	0.012	0.0023 J	0.044
1,2,4-Trimethylbenzene	95-63-6	3.6	3.6	190	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	8.4	8.4	190	NA	NA	NA	NA	NA
Vinyl chloride	75-01-4	0.02	0.02	13	<0.0049	<0.016	<0.0086	<0.0085	<0.0068
Xylene (mixed)	1030-20-7	0.26	1.6	500	0.0024	0.018	0.0068	0.0145	0.0051
Total VOCs	NA	NA	NA	NA	0.0439	0.291	0.1768	0.2682	0.175
Semivolatile Organic Compounds (SVOCs) - mg/kg									
Acenaphthene	83-32-9	20	98	500	<0.28	<0.34	<0.28	<0.31	<0.28
Acenaphthylene	208-96-8	100	107	500	<0.16	<0.19	<0.16	<0.18	<0.16
Anthracene	120-12-7	100	1,000	500	<0.28	<0.34	<0.28	<0.31	<0.28
Benzo(a)anthracene	56-55-3	1	1	5.6	<0.28	<0.34	<0.28	<0.31	0.26
Benzo(a)pyrene	50-32-8	1	22	1	<0.16	<0.19	<0.16	<0.18	0.23
Benzo(b)fluoranthene	205-99-2	1	1.7	5.6	<0.28	<0.34	<0.28	<0.31	0.32
Benzo(g,h,i)perylene	191-24-2	100	1,000	500	<0.28	<0.34	<0.28	<0.31	<0.28
Benzo(k)fluoranthene	207-08-9	0.8	1.7	56	<0.28	<0.34	<0.28	<0.31	<0.28
Chrysene	218-01-9	1	1	56	<0.28	<0.34	<0.28	<0.31	0.25 J
Dibenz(a,h)anthracene	53-70-3	0.33	1,000	0.56	<0.16	<0.19	<0.16	<0.18	<0.16
Fluoranthene	206-44-0	100	1,000	500	<0.28	<0.34	0.17 J	0.22 J	0.59
Fluorene	86-73-7	30	386	500	<0.28	<0.34	<0.28	<0.31	<0.28
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	8.2	5.6	<0.28	<0.34	<0.28	<0.31	<0.28
m-Cresol	108-39-4	0.33	0.33	500	<0.28	<0.34	<0.28	<0.31	<0.28
Naphthalene	91-20-3	12	12	500	<0.28	<0.34	<0.28	<0.31	<0.28
o-Cresol	95-48-7	0.33	0.33	500	NA	<0.34	NA	NA	NA
p-Cresol	106-44-5	0.33	0.33	500	<0.28	<0.34	<0.28	<0.31	<0.28
Pentachlorophenol	87-86-5	0.8	0.8	6.7	<0.28	<0.34	<0.28	<0.31	<0.28
Phenanthrene	85-01-8	100	1,000	500	<0.16	<0.19	0.22	0.15 J	0.27
Phenol	108-95-2	0.33	0.33	500	<0.28	<0.34	<0.28	<0.31	<0.28
Pyrene	129-00-0	100	1,000	500	<0.28	<0.34	0.15 J	0.21 J	0.54
Total SVOCs	NA	NA	NA	NA	<0.28	<0.34	0.54	0.58	2.46
Total Metals - mg/kg									
Arsenic	7440-38-2	13	16	16	6.7	4.8	9.8	8.9	10.2
Barium	7440-39-3	350	820	400	125	144	94.4	85.4	121
Beryllium	7440-41-7	7.2	47	590	1.31	1.49	0.93	0.98	0.64
Cadmium	7440-43-9	2.5	7.5	9.3	1.13	1.83	1.29	1.22	1.49
Chromium, hexavalent	18540-29-9	1	19	400	NA	NA	NA	NA	NA
Chromium, trivalent	16065-83-1	30	--	1,500	25.0	33.1	20.1	23.9	19.2
Copper	7440-50-8	50	1,720	270	26.0	36.9	56.2	49.3	60.5
Total Cyanide	--	27	40	27	<0.57	<0.74	<0.62	<0.66	<0.55
Lead	7439-92-1	63	450	1,000	33.5	18.0	20.4	61.2	99.8
Manganese	7439-96-5	1,600	2,000	10,000	527 N	656 N	383 N	299 N	316 N
Total Mercury	7439-97-6	0.18	0.73	3	<0.09 N	<0.12 N	0.61 N	0.71 N	0.08 N
Nickel	7440-02-0	30	130	310	24.7	28.2	29.5	25.3	19.1
Selenium	7782-49-2	3.9	4.0	1,500	<1.8	<1.8	<1.6	<1.8	<1.5
Silver	7440-22-4	2	8.3	1,500	<0.44	<0.45	<0.40	<0.44	<0.38
Zinc	7440-66-6	109	2,480	10,000	88.0	136	1280	316	660
PCBs - mg/kg									
PCB-1016	1336-36-3	0.1	3.2	1	<0.041	NA	<0.041	<0.043	<0.04
PCB-1221	1336-36-3	0.1	3.2	1	<0.041	NA	<0.041	<0.043	<0.04
PCB-1232	1336-36-3	0.1	3.2	1	<0.041	NA	<0.041	<0.043	<0.04
PCB-1242	1336-36-3	0.1	3.2	1	<0.041	NA	<0.041	<0.043	<0.04
PCB-1248	1336-36-3	0.1	3.2	1	<0.041	NA	<0.041	<0.043	<0.04
PCB-1254	1336-36-3	0.1	3.2	1	<0.041	NA	<0.041	<0.043	<0.04
PCB-1260	1336-36-3	0.1	3.2	1	<0.041	NA	<0.041	<0.043	<0.04
PCB-1262	1336-36-3	0.1	3.2	1	<0.041	NA	<0.041	<0.043	<0.04
PCB-1268	1336-36-3	0.1	3.2	1	<0.041	NA	<0.041	<0.043	<0.04
Total PCBs	1336-36-3	0.1	3.2	1	<0.041	NA	<0.041	<0.043	<0.04

Notes:
Values per NYSDEC Part 375 Soil Cleanup Objectives (December 2006)
Definitions:
ND=Parameter not detected above laboratory detection limit.
NA=Sample not analyzed for parameter.
"--"=No SCO available.

key
Exceeds Unrestricted SCOs
Exceeds Unrestricted & Protection of GW SCOs
Exceeds Commercial SCOs

TABLE # 11
Groundwater Elevation Measurements
Former ENRX-Voelker Analysis Site No. C915150
766 New Babcock Street, Buffalo NY 14206

Monitoring Location	TOR ²	04/05/13		05/23/13		06/24/13		07/17/13		07/26/13		7/29/2013		8/21/2013		9/3/2013	
		DTW ¹	GWE ³	DTW ¹	GWE ³	DTW ¹	GWE ³	DTW ¹	GWE ³	DTW ¹	GWE ³	DTW ¹	GWE ³	DTW ¹	GWE ³	DTW ¹	GWE ³
BR-1	599.28	6.01*	593.19*	6.03*	593.17*	6.2*	593.08*	6.30	592.98	6.30	592.98	6.18	593.10	6.60	592.68	6.80	592.48
BR-2	598.9	6.79	592.11	6.50	592.4	6.40	592.50	7.06	591.84	6.2	592.7	6.62	592.28	7.72	591.18	7.66	591.24
BR-3	599.8	7.57	592.23	7.4	592.4	7.46	592.34	7.32	592.48	7.30	592.50	7.12	592.68	8.47	591.33	7.44	592.36
BR-4	600.2	10.22	589.98	9.21	590.99	9.6	590.60	8.9	591.13	9	591.2	8.64	591.56	9.12	591.08	8.9	591.3
BR-5	599.3	**	**	**	**	**	**	7.14	592.16	6.3	593	6.7	592.6	7.70	591.60	7.00	592.30
BR-6	598.3	**	**	**	**	**	**	4.96	593.34	4.78	593.52	4.92	593.38	5.24	593.06	5.14	593.16

Note:

All elevations are measured in hundredths of feet .

1. DTW - Depth to water measured from top of roadbox
2. TOR - Survey Elevation to top of road box
3. GWE - Calculated groundwater elevation, measured in hundredths of feet above mean sea level

* The roadbox on BR-1 was repaired in July 2013. The roadbox elevation may have differed slightly for GW measurements taken in April, May and

** BR-5 and BR-6 were installed on June 26 and 27, 2013. No data is available for April, May or June.

Contaminant		VOCs (1,1,1-Trichloroethane) Aliphatic Concentration (ug/L)	BR-1		BR-2		BR-3		BR-4		BR-5		BR-6	
			1-Apr-13		29-Jul-13		1-Apr-13		29-Jul-13		1-Apr-13		29-Jul-13	
			1-Apr-13	29-Jul-13	1-Apr-13	29-Jul-13	1-Apr-13	29-Jul-13	1-Apr-13	29-Jul-13	29-Jul-13	29-Jul-13		
Volatile Organic Compounds (VOCs) - ug/L														
1,1,1-Trichloroethane	5		1500 D	2400 D	260	330 D	1400 D	780	8.7	3.2 C	<4.0	<4.0	45.0	
1,1,2,2-Tetrachloroethane	5	<10	<10	<10	<5.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	
1,1,2-Trichloroethane	1	<20	<20	<20	<10	<4.0	<4.0	<4.0	<4.0	<1	<4.0	<2.0	<2.0	
1,1-Dichloroethane	5	150	98	140	180 D	370 D	250	11	7.8 E	0.66 I	<4.0	58.0		
1,1-Dichloroethene	5	34	18	12	5.6	18	9.0 I	<2.0	<1.0	<2.0	<0.98 J			
1,2,3-Trichlorobenzene	5	<10	<10	<10	<5.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	
1,2,4-Trichlorobenzene	5	<10	<10	<10	<5.0	<2.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	
1,2-Dibromo-3-chloropropane	0.04	<10	<10	<10	<5.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	
1,2-Dibromoethane	0.0006	<10	<10	<10	<5.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	
1,2-Dichlorobenzene	3	<20	<20	<20	<10	<4.0	<4.0	<4.0	<2.0	<4.0	<2.0	<4.0	<2.0	
1,2-Dichloroethane	0.6	<20	<20	<20	<10	<4.0	<4.0	<4.0	<0.5	<4.0	<0.5	<4.0	<2.0	
1,2-Dichloropropane	1	<10	<10	<10	<5.0	<2.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	
1,3-Dichlorobenzene	3	<20	<20	<20	<10	<4.0	<4.0	<4.0	<2.0	<4.0	<2.0	<4.0	<2.0	
1,4-Dichlorobenzene	3	<20	<20	<20	<10	<4.0	<4.0	<4.0	<2.0	<4.0	<2.0	<4.0	<2.0	
2-Hexanone	50	<10	<10	<10	<5.0	<2.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	
4-Methyl-2-pentanone	na	<10	<10	<10	<5.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	
Acetone	50	16.15	21.15	19.158	19.185	12.5	16.16	2.5	15.8	8.1.85	8.1.15	10.85		
Benzene	1	<7.0	<7.0	<7.0	<3.5	0.78 I	<1.4	<1.4	0.27 J	<1.4	<0.7	<1.4	<0.7	
Bromochloromethane	5	<10	<10	<10	<5.0	<2.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	
Bromodichloromethane	50	<10	<10	<10	<5.0	<2.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	
Bromoforn	50	<10	<10	<10	<5.0	<2.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	
Bromomethane	5	<20	<20	<20	<10	<4.0	<4.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	
Carbon Disulfide	60	<10	4.0 J	<10	<5.0	<2.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	1.2	
Carbon tetrachloride	5	<10	<10	<10	<5.0	<2.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	
Chlorobenzene	5	<20	<20	<20	<10	<4.0	<4.0	<4.0	<2.0	<4.0	<2.0	<4.0	<2.0	
Chloroethane	5	<20	<20	<20	<10	<4.0	<4.0	<4.0	1.4 I	2.2	<4.0	3.1		
Chloroform	7	<20	<20	<20	<10	<4.0	<4.0	<4.0	<2.0	<4.0	<2.0	<4.0	<2.0	
Chloromethane	na	<20	<20	<20	<10	<								

Definitions:
NA - Sample not analyzed for parameter
na - No objective available

Table 13
Historic Air Analytical Data Summary
ENRX, Inc. – Voelker Analysis
766 New Babcock Street
Buffalo, New York 14206
Site ID: C915150

TARGET COMPOUND	NYSDOH 90th Percentile Indoor Value* ug/m³	NYSDOH 90th Percentile Outdoor Value* ug/m³	SV1-SS Subslab ug/m³	SV2-A Ambient ug/m³	SV3-SS Subslab ug/m³	SV4-A Ambient ug/m³	SV5-O ug/m³
Propylene	na	na	3.3	<2.4	<2.4	<2.4	<2.4
Freon 12	na	na	<2.5	<2.5	<2.5	<2.5	<2.5
Chloromethane	3.3	3.2	<1	1.1	<1	1.1	1.1
N-Butane	na	na	1.9	3.2	<1.2	3.6	<1.2
Vinyl chloride	<0.25	<0.25	3.2	<1.3	<1.3	<1.3	<1.3
Ethanol	1,400	31	8.7	13	5.8	30	<0.94
Vinyl Bromide	na	na	<2.2	<2.2	<2.2	<2.2	9.1
Freon 11	na	na	290	<28	16	2.9	<28
2-propanol	na	na	3.9	5.1	2.8	21	<1.2
Freon113	na	na	90	<3.8	110	<3.8	<3.8
Acetone	110	44	17	14	10	38	220
1,1 Dichloroethene	<0.25	<0.25	<2	<2	<2	<2	<2
Acetonitrile	na	na	<0.84	<0.84	<0.84	1.2	<0.84
Carbon Disulfide	na	na	11	<1.6	<1.6	<1.6	<1.6
Methylene chloride	22	1.6	<1.7	<1.7	<1.7	4.6	<1.7
Trans1,2-dichloroethene	na	na	8.5	<2	<2	<2	<2
MEK	16	6.3	3.6	3.5	2.5	5.3	3.5
Cis-1,2,-Dichloroethene	<0.25	<0.25	35	<2	55	5.3	<2
Chloroform	1.4	0.39	5.4	<2.4	<2.4	<2.4	<2.4
Tetrahydrofuran	3.3	<0.25	7.7	<1.5	2.4	5.9	<1.5
1,1,1-Trichloethane	3.1	0.6	490	<27	360	<27	<27
Carbon tetrachloride	0.81	0.81	<3.1	<3.1	<3.1	<3.1	<3.1
n-Heptane	19	2.6	<2	<2	<2	2.2	<2
Trichloroethene	0.48	0.32	1200	<54	210	<54	<54
Toluene	58	5.9	3.9	7.3	4.6	12	3.1
Tetrachloroethene	2.9	0.81	390	<34	38	<34	<34
Ethylbenzene	7.4	1.1	<2.2	2.6	2.2	4.4	<2.2
Xylene - m,p	12	1.4	7	9.2	7.6	14	<4.2
Xylene - o	7.6	1.7	3	3.8	3.3	5.5	<2.2
Styrene	1.3	0.43	4.7	5.7	4.9	7.6	<2.1
4-Ethyltoluene	na	na	<2.5	<2.5	<2.5	3.3	<2.5
1,2,4 Trimethylbenzene	9.5	1.8	2.6	2.9	2.8	4.2	<2.5
1,2-Dichlorobenzene	0.72	0.6	<3	<3	<3	3.1	<3

Legend

* Values from NYSDOH Summary of Indoor and Outdoor Levels of Volatile Organic Compounds from Fuel Oil Headted Homes in NYS, 1997-2003

NYSDOH Martix Compounds

Exceeds NYSDOH Guidance Value

Exceeds NYSDOH Matrix Level 1

Exceeds NYSDOH Matrix Level 2

Exceeds NYSDOH Matrix Level 3

Table 14
Detailed Evaluation of Remedial Alternatives
ENRX, Inc. – Voelker Analysis
766 New Babcock Street
Buffalo, New York 14206
Site ID. C915150

EVALUATION CRITERIA	Alternative #1 No Further Action	Alternative #2 Track 4 Cleanup w/HIT Events	Alternative #3 Track 4 Cleanup w/GWP&T	Alternative #4 Track 2 Cleanup	Alternative #5 Track 1 Cleanup
Overall Protection of the Public Health and the Environment Alternative eliminates, reduces or controls threats to public health and the environment.	- Volume and concentration of soil, GW and soil vapor contaminants will not be reduced beyond what was achieved through the IRM Activities. - RAOs for public health protection will not be met. - RAOs for environmental protection will not be met.	- Volume and concentration of soil contaminants, will not be reduced beyond what was achieved through the IRM Activities. - Volume and concentration of GW and soil vapor contaminants will be eliminated over time but impacted groundwater may exit the site in-between HIT events. - RAOs for public health protection will be met. - RAOs for environmental protection will not be met.	- Volume and concentration of soil contaminants, will not be reduced beyond what was achieved through the IRM Activities. - Volume and concentration of GW and soil vapor contaminants will be controlled and eliminated over time. - RAOs for public health protection will be met. - RAOs for environmental protection will be met.	- Volume and concentration of soil contaminants will be reduced to meet commercial SCOs - Volume and concentration of GW and soil vapor contaminants will be controlled and eliminated over time. - RAOs for public health protection will be met. - RAOs for environmental protection will be met.	- Volume and concentration of soil contaminants will be eliminated. - Volume and concentration of GW will be controlled and eliminated over time. - Soil Vapor Impacts would not need to be mitigated since the on-Site building would need to be demolished to facilitate soil removal. - RAOs for public health protection will be met. - RAOs for environmental protection will be met.
EVALUATION RATING^a =	0	3	4	4	5
Compliance with Relevant Standards, Criteria and Guidance (SCGs) Alternative meets soil cleanup objectives (SCOs) as defined in 6 NYCRR Part 375, GW standards as defined in NYSDEC TOGS 1.1.1 and SVI guidance as defined in NYSDOH <i>Guidance for Evaluating Soil Vapor Intrusion in the State of New York</i> .	- Commercial SCOs as defined in 6 NYCRR Part 375 will not be met. - GW standards as defined in NYSDEC TOGS 1.1.1 will not be met. - SVI guidance as defined in NYSDOH <i>Guidance for Evaluating Soil Vapor Intrusion in the State of New York</i> will not be met. - Alternative does not provide for completion of a SMP and long term periodic review of the effectiveness of the IC/ECs.	- Commercial SCOs as defined in 6 NYCRR Part 375 will not be met but appropriate SCGs regarding how to mitigate soil not meeting SCOs will be met. - GW standards as defined in NYSDEC TOGS 1.1.1 may be met over time but impacted groundwater may exit the site in-between HIT events.. - SVI guidance as defined in NYSDOH <i>Guidance for Evaluating Soil Vapor Intrusion in the State of New York</i> will be met. - Alternative provides for completion of a SMP and long term periodic review of the effectiveness of the IC/ECs.	- Commercial SCOs as defined in 6 NYCRR Part 375 will not be met but appropriate SCGs regarding how to mitigate soil not meeting SCOs will be met. - GW standards as defined in NYSDEC TOGS 1.1.1 may be met over time. - SVI guidance as defined in NYSDOH <i>Guidance for Evaluating Soil Vapor Intrusion in the State of New York</i> will be met. - Alternative provides for completion of a SMP and long term periodic review of the effectiveness of the IC/ECs.	- Commercial SCOs as defined in 6 NYCRR Part 375 will be met. - GW standards as defined in NYSDEC TOGS 1.1.1 may be met over time. - SVI guidance as defined in NYSDOH <i>Guidance for Evaluating Soil Vapor Intrusion in the State of New York</i> will be met. - Alternative does not require completion of a SMP and long term periodic review of the effectiveness of the IC/ECs.	- Unrestricted SCOs as defined in 6 NYCRR Part 375 will be met. - GW standards as defined in NYSDEC TOGS 1.1.1 may be met over time. - SVI guidance as defined in NYSDOH <i>Guidance for Evaluating Soil Vapor Intrusion in the State of New York</i> will be met. - Alternative does not require completion of a SMP and long term periodic review of the effectiveness of the IC/ECs.
EVALUATION RATING^a =	0	3	4	4	4
Long-Term Effectiveness Alternative can maintain protection of human health and the environment over time under the conditions and limitations present at the Site (includes treatment residuals and /or untreated or treated waste).	- Volume and concentration of soil, GW and soil vapor contaminants will not be reduced beyond what was achieved through the IRM Activities. - RAOs will not be achieved - Impacted groundwater below the Site may migrate off Site - On-Site industrial workers may be exposed to VOCs in indoor air. - Lack of SMP and periodic reviews may lead to compromise of ECs over time.	- Volume and concentration of soil, will not be reduced beyond what was achieved through the IRM Activities. - RAOs will be achieved - Impacted groundwater below the Site may migrate off Site - On-Site workers will not be exposed to VOCs in indoor air. - SMP and periodic reviews ensure competency of ICs/ECs over time.	- Volume and concentration of soil, will not be reduced beyond what was achieved through the IRM Activities. - RAOs will be achieved - Impacted groundwater below the Site will not migrate off Site - On-Site workers will not be exposed to VOCs in indoor air. - SMP and periodic reviews ensure competency of ICs/ECs over time.	- Volume and concentration of soil contaminants will be reduced to meet commercial SCOs - RAOs will be achieved - Impacted groundwater below the Site will not migrate off Site - On-Site workers will not be exposed to VOCs in indoor air.	- Volume and concentration of soil contaminants will be eliminated. - RAOs will be achieved - Impacted groundwater below the Site will not migrate off Site - There will be no building on-site, therefore, there will be no potential for on-Site workers to be exposed to VOCs in indoor air.
EVALUATION RATING^a =	0	2	3	4	5
Reduction in Toxicity, Mobility and Volume of Hazardous Waste Alternative reduces the harmful effects of principal contaminants, contaminant mobility and the amount of contamination present.	- Volume and concentration of soil, GW and soil vapor contaminants will not be reduced beyond what was achieved through the IRM Activities. - Impacted groundwater below the Site may migrate off Site - On-Site industrial workers may be exposed to VOCs in indoor air.	- Volume and concentration of soil, will not be reduced beyond what was achieved through the IRM Activities. - Impacted groundwater below the Site may migrate off Site - On-Site industrial workers will not be exposed to VOCs in indoor air.	- Volume and concentration of soil, will not be reduced beyond what was achieved through the IRM Activities. - Impacted groundwater below the Site will not migrate off Site - On-Site industrial workers will not be exposed to VOCs in indoor air.	- Volume and concentration of soil contaminants will be reduced to meet commercial SCOs - Impacted groundwater below the Site will not migrate off Site - On-Site industrial workers will not be exposed to VOCs in indoor air.	- Volume and concentration of soil contaminants will be eliminated. - Impacted groundwater below the Site will not migrate off Site - There will be no building on-site, therefore, there will be no potential for on-Site workers to be exposed to VOCs in indoor air.
EVALUATION RATING^a =	0	2	3	4	5

Table 14
Detailed Evaluation of Remedial Alternatives
ENRX, Inc. – Voelker Analysis
766 New Babcock Street
Buffalo, New York 14206
Site ID. C915150

EVALUATION CRITERIA	Alternative #1 No Further Action	Alternative #2 Track 4 Cleanup w/HIT Events	Alternative #3 Track 4 Cleanup w/GWP&T	Alternative #4 Track 2 Cleanup	Alternative #5 Track 1 Cleanup
Short-Term Effectiveness Implementation of the alternative does not pose risks to environmental workers, the local community or the environment.	- There would be no excavation therefore there would be no risk for exposure to environmental workers or risk to the community from vapors, odors, dust, noise or increased truck traffic. - There would be no loss of access to the property for the property owner.	- There are no intrusive activities thus eliminating exposing impacted soil on-Site which could pose a risk for exposure to environmental workers. - The HIT events could pose a risk to the community from vapors, odors and noise. - This option would not require excavation but would require trips for the vac truck to the disposal facility. - The property owner would lose access to a small portion of the property for one day three times a year.	- There would be an open trench potentially exposing impacted soil on-Site which could pose a risk for exposure to environmental workers. - The construction activities could pose a risk to the community from vapors, odors, dust, noise and increased truck traffic. - This option would require excavation of approximately 50 tons of soil resulting in approximately 2 trips to the landfill. - The property owner would lose access to a small portion of the property for approximately one week.	- There would be an open excavation exposing the most impacted soil on-Site which could pose a risk for exposure to environmental workers. - The construction activities could pose a risk to the community from vapors, odors, dust, noise and increased truck traffic. - The gas line servicing the on-site building would need to be temporarily re-routed to remove all soil above industrial SCOs and then re-installed posing an explosion hazard. - This option would require excavation of approximately 6,500 tons of soil resulting in approximately 270 trips to the landfill. - The property owner would lose access to most of the property for approximately three to four weeks.	- There would be an open excavation exposing the most impacted soil on-Site which could pose a risk for exposure to environmental workers. - The construction activities could pose a risk to the community from vapors, odors, dust, noise and increased truck traffic. - The gas line servicing the on-site building would need to be removed to access all soil above unrestricted SCOs. - This option would require excavation of approximately 11,250 tons of soil resulting in approximately 470 trips to the landfill. - The property owner would lose access to nearly all of the property for approximately four to five weeks. - The workers would be exposed to hazards from demolition of the on-Site building to facilitate soil removal.
EVALUATION RATING^g =	5	4	4	2	1
Implementation and Technical Reliability Alternative is technically and administratively feasible considering the relative degree of difficulty anticipated in implementing the technology option under the regulatory and technical constraints posed at the Site.	- There is no additional work therefore it is readily implementable. - It would not be administratively burdensome to obtain the environmental easements. - Lack of mitigation of groundwater and soil vapor impacts may pose human and environmental exposure risks, therefore, minimizes technical reliability.	- There are no intrusive activities planned therefore, would not require extensive coordination with the property owner to minimize loss of use of the property during the remediation. - There would be no need to remove and replace the gas line servicing the on-Site building. - HIT events and vapor mitigation are proven technologies that are not technically difficult to design and implement. - It would not be administratively burdensome to obtain the environmental easements. - Site Management Plans and Deed Restrictions are established and proven methods of minimizing exposure risks.	- The extent of trenching is minimal and would not require extensive coordination with the property owner to minimize loss of use of the property during the remediation. - There would be no need to remove and replace the gas line servicing the on-Site building. - Pump and treat and vapor mitigation are proven technologies that are not technically difficult to design, install and operate. - It would not be administratively burdensome to obtain the environmental easements. - Site Management Plans and Deed Restrictions are established and proven methods of minimizing exposure risks.	- The extent of excavation is wide spread and would require extensive coordination with the property owner to minimize loss of use of the property during the remediation. - It would be technically and administratively difficult to implement remedial measures in the vicinity of the gas line servicing the on-site building. - Pump and treat and vapor mitigation are proven technologies that are not technically difficult to design, install and operate. - There would be no long term institutional and engineering controls needed for this alternative.	- The extent of excavation is wide spread and would require extensive coordination with the property owner to minimize loss of use of the property during the remediation. - It would be technically and difficult to implement remedial measures in the vicinity of the gas line servicing the on-site building. - Pump and treat is a proven technology that is not technically difficult to design, install and operate. - There would be no long term institutional and engineering controls needed for this alternative.
EVALUATION RATING^g =	4	5	4	3	3

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Detailed Evaluation of Remedial Alternatives
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EVALUATION CRITERIA	Alternative #1 No Further Action	Alternative #2 Track 4 Cleanup w/HIT Events	Alternative #3 Track 4 Cleanup w/GWP&T	Alternative #4 Track 2 Cleanup	Alternative #5 Track 1 Cleanup
Cost^c Criterion includes direct capital costs (equipment, labor and materials), indirect capital costs (engineering and overhead) and operations and maintenance (O&M) costs.	- No additional costs beyond what has been spent on the IRMs and Supplemental Investigation and Pumping Tests. - Total Lifecycle Costs are estimated to be \$1,169,146.	- No cost for building demolition. - There are costs for a subslab depressurization system. - Minimal costs for HIT events - Total Lifecycle Costs are estimated to be \$1,525,698.	- No cost for building demolition. - There are costs for a subslab depressurization system. - Minimal costs for excavation. - Total Lifecycle Costs are estimated to be \$2,473,511.	- No cost for building demolition. - There are costs for a subslab depressurization system. - There are significant costs for excavation. - Total Lifecycle Costs are estimated to be \$3,872,256.	- No cost for Subslab Depressurization System since the on-Site building will be demolished. - There are significant costs for excavation. - Total Lifecycle Costs are estimated to be \$4,356,913.
EVALUATION RATING ^a =	5	4	3	2	1
Land Use Alternative coincides with current and/or anticipated future land use and all applicable deeds and restrictions.	Alternative does not achieve RAOs and therefore does not coincide with current and/or anticipated future land use.	Alternative is consistent with the anticipated future land use and proposed land use restrictions^b	Alternative is consistent with the anticipated future land use and proposed land use restrictions^b	Alternative is consistent with the anticipated future land use and proposed land use restrictions^b	Alternative is consistent with the anticipated future land use and proposed land use restrictions^b
EVALUATION RATING ^a =	0	5	5	5	5
Community Acceptance Alternative is perceived positively and/or meets with the approval of the local community.	- No risks to the surrounding community would result from the implementation of Site Management Plan or additional Deed Restrictions. - The lack of mitigation of groundwater and soil vapor impacts could be negatively perceived by the community.	- No risks to the surrounding community would result from the implementation of Site Management Plan or additional Deed Restrictions. - The option's provision for mitigation of groundwater and soil vapor impacts would be positively perceived by the community. - There would be no intrusive trenching activities that would have the potential to generate nuisance odors and noise which would be positively perceived by the community	- No risks to the surrounding community would result from the implementation of Site Management Plan or additional Deed Restrictions. - The option's provision for mitigation of groundwater and soil vapor impacts would be positively perceived by the community. - There would be minimally intrusive trenching activities that would have the potential to generate nuisance odors and noise which would be positively perceived by the community	- The long term excavation activities could have the potential to generate nuisance odors and would significantly increase truck traffic and noise which could be perceived negatively by the community. - The option's provision for mitigation of groundwater and soil vapor impacts would be positively perceived by the community.	- The extensive long term excavation activities could have the potential to generate nuisance odors and would significantly increase truck traffic and noise which could be perceived negatively by the community. - The option's provision for mitigation of groundwater impacts would be positively perceived by the community.
EVALUATION RATING ^a =	1	4	4	3	2
TOTAL SCORE =	15	32	34	31	31

Notes:

^a Evaluation Ratings of Criteria: 0 = Not Valid, does not satisfy any element required to meet criterion, 1 = Very Low, minimally satisfies few elements required to meet criterion,

2 = Low, satisfies few elements required to meet criterion, 3 = Moderate, satisfies some elements required to meet criterion, 4 = Good, satisfies most elements required to meet criterion, 5 = Excellent, satisfies all elements required to meet criterion

^b It is anticipated that the Site will remain an commercial scrap facility and transfer of property ownership will be subject to proposed environmental easements.

^c Includes incurred for implementation of IRMs and completion of Supplemental Investigation and Pumping Tests (\$1,021,361)

RAO = Remedial Action Objectives

NYSDEC = New York State Department of Environmental Conservation

SCOs = Soil Cleanup Objectives

IRM = Interim Remedial Measure

VOCs = Volatile Organic Compounds

IC = Institutional Control

GW = Groundwater

TOGS = Technical and Operational Guidance Series

SVI - Soil Vapor Intrusion

SMP = Site Management Plan

EC = Engineering Control

Table 15
ESTIMATED COSTS - ALTERNATIVE #1
NO FURTHER ACTION
ALTERNATIVE ANALYSIS REPORT
766 New Babcock Street
Buffalo, New York 14206
Site # C915150

Previous IRM Costs	\$823,000
Supplemental Investigation and Pumping Test Costs	\$346,146
Total Costs Year One	\$0
Net Present Operation Costs Years 2 through 30	\$0
Total Lifecycle Costs for Remedial Alternative #1	\$1,169,146

Year One Costs (Present Day Value)

Direct Capital Costs					
No Additional Work	Is	\$0	1		\$0
Sub Total Direct Capital Costs					\$0
Indirect Costs					
Item	Unit	Unit Cost	# of Units	Total Cost	
No Additional Work	Is	\$0	1		\$0
Sub Total Indirect Costs					\$0

Years 2 Through 30 Operation Costs (Net Present Value)

Net Present Value Variables		Year	Annual Costs w/inflation	Net Present Value
Average annual costs (minus start-up plus additional O&M visit)	\$0	2	\$0	\$0
Number of years operating system	30	3	\$0	\$0
Inflation Rate	3%	4	\$0	\$0
Annual Discount rate	5%	5	\$0	\$0
		6	\$0	\$0
		7	\$0	\$0
		8	\$0	\$0
		9	\$0	\$0
		10	\$0	\$0
		11	\$0	\$0
		12	\$0	\$0
		13	\$0	\$0
		14	\$0	\$0
		15	\$0	\$0
		16	\$0	\$0
		17	\$0	\$0
		18	\$0	\$0
		19	\$0	\$0
		20	\$0	\$0
		21	\$0	\$0
		22	\$0	\$0
		23	\$0	\$0
		24	\$0	\$0
		25	\$0	\$0
		26	\$0	\$0
		27	\$0	\$0
		28	\$0	\$0
		29	\$0	\$0
		30	\$0	\$0
		Total Cost	\$0	\$0

Table 16
ESTIMATED COSTS - ALTERNATIVE #2
IC/ECs WITH GW HIT EVENTS AND SUB-SLAB DEPRESSURIZATION
ALTERNATIVE ANALYSIS REPORT
766 New Babcock Street
Buffalo, New York 14206
Site # C915150

Previous IRM Costs	\$823,000
Supplemental Investigation and Pumping Test Costs	\$346,146
Total Costs Year One	\$200,393
Net Present Operation Costs Years 2 through 30	\$156,159
Total Lifecycle Costs for Remedial Alternative #2	\$1,525,698

Year One Costs (Present Day Value)

Direct Capitol Costs					
Item	Unit	Unit Cost	# of Units	Total Cost	
Paving Entire Site 31,000 Sq ft	ls	\$99,440	1	\$99,440	
Administrative Costs for Environmental Easement	ls	\$10,000	1	\$10,000	
Vac Truck Hit Event	ls	\$13,959	3	\$41,877	
Subslab System Equipment Costs	ls	\$3,328	1	\$3,328	
Subslab System Installation Costs	ls	\$10,725	1	\$10,725	
Project Management (Assume 15% of Costs)	ls	\$24,805	1	\$24,805	
Sub Total Direct Capitol Costs				\$190,175	
Indirect Costs					
Item	Unit	Unit Cost	# of Units	Total Cost	
Annual Groundwater Sampling Lab Costs	ls	\$2,785	1	\$2,785	
DUSR for Annual Groundwater Sampling Data	ls	\$1,000	1	\$1,000	
Annual Certification Report	ls	\$5,100	1	\$5,100	
Project Management (Assume 15% of Costs)	ls	\$1,333	1	\$1,333	
Sub Total Indirect Costs				\$10,218	

Years 2 Through 30 Operation Costs (Net Present Value)

Net Present Value Variables		Year	Annual Costs w/inflation	Net Present Value
Annual costs with hit events	\$57,119.99	2	\$58,834	\$56,032
Number of years of hit events	3	3	\$60,599	\$54,965
Inflation Rate	3%	4	\$2,459	\$2,124
Annual Discount rate	5%	5	\$2,532	\$2,083
Annual Costs post Hit Event Shut Down	\$2,250.00	6	\$2,608	\$2,044
		7	\$2,687	\$2,005
		8	\$2,767	\$1,967
		9	\$2,850	\$1,929
		10	\$2,936	\$1,892
		11	\$3,024	\$1,856
		12	\$3,115	\$1,821
		13	\$3,208	\$1,786
		14	\$3,304	\$1,752
		15	\$3,403	\$1,719
		16	\$3,505	\$1,686
		17	\$3,611	\$1,654
		18	\$3,719	\$1,623
		19	\$3,830	\$1,592
		20	\$3,945	\$1,561
		21	\$4,064	\$1,532
		22	\$4,186	\$1,502
		23	\$4,311	\$1,474
		24	\$4,441	\$1,446
		25	\$4,574	\$1,418
		26	\$4,711	\$1,391
		27	\$4,852	\$1,365
		28	\$4,998	\$1,339
		29	\$5,148	\$1,313
		30	\$5,302	\$1,288
		Total Cost	\$219,522	\$156,159

Table 17
ESTIMATED COSTS - ALTERNATIVE #3
IC/ECs WITH GW P&T AND SUB-SLAB DEPRESSURIZATION
ALTERNATIVE ANALYSIS REPORT
766 New Babcock Street
Buffalo, New York 14206
Site # C915150

	Stone Cap
Previous IRM Costs	\$823,000
Supplemental Investigation and Pumping Test Costs	\$346,146
Total Costs Year One	\$272,168
Net Present Operation Costs Years 2 through 30	<u>\$1,032,197</u>
Total Lifecycle Costs for Remedial Alternative #3	\$2,473,511

Year One Costs (Present Day Value)

Direct Capitol Costs					Stone Cap
Item	Unit	Unit Cost	# of Units		Total Cost
Paving Entire Site 31,000 Sq ft	ls	\$99,440	1		\$99,440
Administractive Costs for Environmental Easement	ls	\$10,000	1		\$10,000
Groundwater P&T Equipment Costs	ls	\$19,000	1		\$19,000
Groundwater P&T Below Grade System Installation	ls	\$42,680	1		\$42,680
Groundwater P&T Above Grade System Installation	ls	\$10,725	1		\$10,725
Subslab System Equipment Costs	ls	\$3,328	1		\$3,328
Subslab System Installation Costs	ls	\$10,725	1		\$10,725
Project Management (Assume 15% of Costs)	ls	\$29,385	1		<u>\$29,385</u>
Sub Total Direct Capitol Costs					\$225,282
Indirect Costs					
Item	Unit	Unit Cost	# of Units		Total Cost
System Start-up/Shake Down	ls	\$5,005	1		\$5,005
Routine O&M Visit	ls	\$550	24		\$13,200
Carbon Changeout O&M Visit	ls	\$3,810	2		\$7,620
Utilities	ls	\$750	1		\$750
Monthly System Sampling Lab Costs	ls	\$430	12		\$5,160
Quarterly BSA Discharge Permit Sampling Lab Costs	ls	\$1,330	4		\$5,320
Quarterly BSA Self Monitoring Report	ls	\$905	4		\$3,620
Annual Certification Report	ls	\$5,100	1		\$5,100
Project Management (Assume 15% of Costs)	ls	\$6,116	1		<u>\$6,116</u>
Sub Total Indirect Costs					\$46,886

Years 2 Through 30 Operation Costs (Net Present Value)

Net Present Value Variables		Year	Annual Costs w/inflation	Net Present Value
Average annual O&M costs year 2 through 4	\$46,885.50	2	\$48,292	\$45,992
Inflation Rate	3%	3	\$49,741	\$45,116
Annual Discount rate	5%	4	\$51,233	\$44,257
		5	\$52,770	\$43,414
		6	\$54,353	\$42,587
		7	\$55,984	\$41,776
		8	\$57,663	\$40,980
		9	\$59,393	\$40,200
		10	\$61,175	\$39,434
		11	\$63,010	\$38,683
		12	\$64,900	\$37,946
		13	\$66,848	\$37,223
		14	\$68,853	\$36,514
		15	\$70,919	\$35,819
		16	\$73,046	\$35,136
		17	\$75,237	\$34,467
		18	\$77,495	\$33,811
		19	\$79,819	\$33,167
		20	\$82,214	\$32,535
		21	\$84,680	\$31,915
		22	\$87,221	\$31,307
		23	\$89,837	\$30,711
		24	\$92,533	\$30,126
		25	\$95,309	\$29,552
		26	\$98,168	\$28,989
		27	\$101,113	\$28,437
		28	\$104,146	\$27,895
		29	\$107,271	\$27,364
		30	\$110,489	\$26,843
		Total Cost	\$2,183,712	\$1,032,197

Table 18
ESTIMATED COSTS - ALTERNATIVE #4
EXCAVATION TO COMMERCIAL SCOs WITH GW P&T AND SUB-SLAB DEPRESSURIZATION
ALTERNATIVE ANALYSIS REPORT
766 New Babcock Street
Buffalo, New York 14206
Site # C915150

Previous IRM Costs	\$823,000
Supplemental Investigation and Pumping Test Costs	\$346,146
Total Costs Year One	\$948,114
Net Present Operation Costs Years 2 through 30	\$1,754,996
Total Lifecycle Costs for Remedial Alternative #4	\$3,872,256

Year One Costs (Present Day Value)

Direct Capitol Costs				
Item	Unit	Unit Cost	# of Units	Total Cost
Excavate & Restore 6,500 Tons	ls	\$637,875	1	\$637,875
Removal and Reinstall Gas Line Servicing On-Site Building	ls	\$5,000	1	\$5,000
Groundwater P&T Equipment Costs	ls	\$44,300	1	\$44,300
Groundwater P&T Below Grade System Installation	ls	\$45,608	1	\$45,608
Groundwater P&T Above Grade System Installation	ls	\$12,625	1	\$12,625
Subslab System Equipment Costs	ls	\$3,025	1	\$3,025
Subslab System Installation Costs	ls	\$9,750	1	\$9,750
Excavation/FER Report	ls	\$6,100	1	\$6,100
Project Management (Assume 12% of Costs)	ls	\$91,714	1	\$91,714
Sub Total Direct Capitol Costs				\$855,996
Indirect Costs				
Item	Unit	Unit Cost	# of Units	Total Cost
System Start-up/Shake Down	ls	\$10,150	1	\$10,150
Routine O&M Visit	ls	\$750	28	\$21,000
Quarterly Carbon Changeout, Acid Wash O&M Visit	ls	\$6,235	4	\$24,940
Routine O&M Visit and Annual GWS	ls	\$1,960	1	\$1,960
Utilities	ls	\$4,000	1	\$4,000
Monthly System Sampling Lab Costs	ls	\$330	12	\$3,960
Quarterly BSA Discharge Permit Sampling Lab Costs	ls	\$1,230	4	\$4,920
Quarterly BSA Self Monitoring Report	ls	\$905	4	\$3,620
Annual Groundwater Sampling Lab Costs	ls	\$2,685	1	\$2,685
DUSR for Annual Groundwater Sampling Data	ls	\$1,000	1	\$1,000
Annual Certification Report	ls	\$5,100	1	\$5,100
Project Management (Assume 12% of Costs)	ls	\$8,782	1	\$8,782
Sub Total Indirect Costs				\$92,117

Years 2 Through 30 Operation Costs (Net Present Value)

Net Present Value Variables	Year	Annual Costs w/inflation	Net Present Value
Average annual costs (minus start-up plus additional O&M visit)	2	\$82,109	\$78,199
Number of years operating system	3	\$84,572	\$76,709
Inflation Rate	4	\$87,109	\$75,248
Annual Discount rate	5	\$89,722	\$73,815
	6	\$92,414	\$72,409
	7	\$95,187	\$71,030
	8	\$98,042	\$69,677
	9	\$100,983	\$68,350
	10	\$104,013	\$67,048
	11	\$107,133	\$65,771
	12	\$110,347	\$64,518
	13	\$113,658	\$63,289
	14	\$117,067	\$62,083
	15	\$120,579	\$60,901
	16	\$124,197	\$59,741
	17	\$127,923	\$58,603
	18	\$131,760	\$57,487
	19	\$135,713	\$56,392
	20	\$139,785	\$55,318
	21	\$143,978	\$54,264
	22	\$148,297	\$53,230
	23	\$152,746	\$52,216
	24	\$157,329	\$51,222
	25	\$162,049	\$50,246
	26	\$166,910	\$49,289
	27	\$171,917	\$48,350
	28	\$177,075	\$47,429
	29	\$182,387	\$46,526
	30	\$187,859	\$45,640
Total Cost		\$3,712,862	\$1,754,996

Table 19
ESTIMATED COSTS - ALTERNATIVE #5
EXCAVATION TO UNRESTRICTED SCOs WITH GW P&T
ALTERNATIVE ANALYSIS REPORT
766 New Babcock Street
Buffalo, New York 14206
Site # C915150

Previous IRM Costs	\$823,000
Supplemental Investigation and Pumping Test Costs	\$346,146
Total Costs Year One	\$1,432,771
Net Present Operation Costs Years 2 through 30	\$1,754,996
Total Lifecycle Costs for Remedial Alternative #5	\$4,356,913

Year One Costs (Present Day Value)

Direct Capitol Costs				
Item	Unit	Unit Cost	# of Units	Total Cost
Excavate & Restore 11,250 Tons	ls	\$1,024,130	1	\$1,024,130
Demolition/Disposal of Existing 6000 sq ft Building	ls	\$51,250	1	\$51,250
Removal of Gas Line Servicing On-Site Building	ls	\$3,000	1	\$3,000
Groundwater P&T Equipment Costs	ls	\$44,300	1	\$44,300
Power Drop for Remedial System Shed	ls	\$10,000	1	\$10,000
Groundwater P&T Below Grade System Installation	ls	\$45,608	1	\$45,608
Groundwater P&T Above Grade System Installation	ls	\$12,625	1	\$12,625
Excavation/FER Report	ls	\$6,100	1	\$6,100
Project Management (Assume 12% of Costs)	ls	\$143,642	1	\$143,642
Sub Total Direct Capitol Costs				\$1,340,654
Indirect Costs				
Item	Unit	Unit Cost	# of Units	Total Cost
System Start-up/Shake Down	ls	\$10,150	1	\$10,150
Routine O&M Visit	ls	\$750	28	\$21,000
Quarterly Carbon Changeout, Acid Wash O&M Visit	ls	\$6,235	4	\$24,940
Routine O&M Visit and Annual GWS	ls	\$1,960	1	\$1,960
Utilities	ls	\$4,000	1	\$4,000
Monthly System Sampling Lab Costs	ls	\$330	12	\$3,960
Quarterly BSA Discharge Permit Sampling Lab Costs	ls	\$1,230	4	\$4,920
Quarterly BSA Self Monitoring Report	ls	\$905	4	\$3,620
Annual Groundwater Sampling Lab Costs	ls	\$2,685	1	\$2,685
DUSR for Annual Groundwater Sampling Data	ls	\$1,000	1	\$1,000
Annual Certification Report	ls	\$5,100	1	\$5,100
Project Management (Assume 12% of Costs)	ls	\$8,782	1	\$8,782
Sub Total Indirect Costs				\$92,117

Years 2 Through 30 Operation Costs (Net Present Value)

Net Present Value Variables		Year	Annual Costs w/inflation	Net Present Value
Average annual costs (minus start-up plus additional O&M visit)	\$79,717.20	2	\$82,109	\$78,199
Number of years operating system	30	3	\$84,572	\$76,709
Inflation Rate	3%	4	\$87,109	\$75,248
Annual Discount rate	5%	5	\$89,722	\$73,815
		6	\$92,414	\$72,409
		7	\$95,187	\$71,030
		8	\$98,042	\$69,677
		9	\$100,983	\$68,350
		10	\$104,013	\$67,048
		11	\$107,133	\$65,771
		12	\$110,347	\$64,518
		13	\$113,658	\$63,289
		14	\$117,067	\$62,083
		15	\$120,579	\$60,901
		16	\$124,197	\$59,741
		17	\$127,923	\$58,603
		18	\$131,760	\$57,487
		19	\$135,713	\$56,392
		20	\$139,785	\$55,318
		21	\$143,978	\$54,264
		22	\$148,297	\$53,230
		23	\$152,746	\$52,216
		24	\$157,329	\$51,222
		25	\$162,049	\$50,246
		26	\$166,910	\$49,289
		27	\$171,917	\$48,350
		28	\$177,075	\$47,429
		29	\$182,387	\$46,526
		30	\$187,859	\$45,640
		Total Cost	\$3,712,862	\$1,754,996

Table 20
Summary of Lifecycle Costs for Remedial Alternatives
ENRX, Inc. – Voelker Analysis
766 New Babcock Street
Buffalo, New York 14206
Site ID. C915150

	Alternative #1	Alternative #2	Alternative #3	Alternative #4	Alternative #5
	No Further Action	Track 4 IC/ECs Full Paving with GW HIT Events and Vapor Mitigation	Track 4 IC/ECs Full Paving with GW Control and Vapor Mitigation	Track 2 Excavation to Commercial SCOs with GW P&T and Vapor Mitigation	Track 1 Excavation to Unrestricted SCOs with GW P&T
Previous IRM Costs	\$823,000	\$823,000	\$823,000	\$823,000	\$823,000
Supplemental Investigation and Pumping Test Costs	\$346,146	\$346,146	\$346,146	\$346,146	\$346,146
Total Costs Year One	\$0	\$200,393	\$272,168	\$948,114	\$1,432,771
Net Present Operation Costs Years 2 through 30	\$0	\$156,159	\$1,032,197	\$1,754,996	\$1,754,996
Total Lifecycle Costs for Remedial Alternative	\$1,169,146	\$1,525,698	\$2,473,511	\$3,872,256	\$4,356,913



Table 21
GAC Usage Calculations
ENRX, Inc. – Voelker Analysis
766 New Babcock Street
Buffalo, New York 14206
Site ID: C915150

Client: Diamond Hurwitz Scrap, LLC
 Site Name: ENRX
 Street Address: 766 New Babcock Street
 City, State: Buffalo, NY
 Calc. By: S Leitten

Date: 5/6/2015

► **Instructions**

This is the primary worksheet for determining the amount of GAC required for the specified project site as well as the breakthrough time. This worksheet is intended to be used for **APPROXIMATE** GAC Unit selection and sizing and **SHOULD NOT BE USED** for determining final GAC quantities. It should be noted that the isotherms provided for each of the contaminants are general approximations and more detailed isotherm data can be found through specific analytical data. Isotherms vary greatly from carbon to carbon, therefore final GAC quantities and information should be used per manufacturer recommendations. **If no TPH-DRO or TPH-GRO values are provided on the input page, the user must select a TPH Type, which will use a multiple of the BTEX compounds inputs to determine a TPH usage rate.** If no BTEX compounds are present, the total usage rate will be based on the usage rates of MTBE, TMB, TBA, SVOCs, and the chlorinated compounds.

► **Input / Final Output - Liquid Phase GAC Usage**

	Contaminant of Concern	1/n	K	Concentration (µg/L)	Adsorptive Capacity	Effluent Limit (µg/L)
VOCs	Benzene	0.53	1.266			1
	Toluene	0.42	5.000			1
	Ethylbenzene	0.41	9.260			1
	Xylenes	0.24	35.800			3
	MTBE	0.50	0.250			NA
	TMB	0.47	0.616			200
SVOCs	Naphthalene	0.40	16.60	0	0.36	5
	Cumene/Isopropylbenzene	0.45	100.00			
	EDB	0.53	175.00			
	EDC	0.42	200.00			
	Fluorene	0.41	66.00			
	Phenanthrene	0.15	0.62			
Chlorinated	TCE	0.62	28.00	47	4.21	
	PCE	0.56	51.00	4	2.38	
	DCE	0.59	12.00	150	3.92	
	VC	0.42	0.20	140	0.09	
	TCA	0.70	66.00			
TBA	TBA	0.5	25.5			NA
TPH-DRO						
TPH-GRO						

► **Input - GAC Parameters**

		SELECTED UNIT	
		PV-1000	
		Nominal Flow (gpm):	50
		Max Pressure (psi):	75
		Mass of GAC (lbs):	1,000
		Volume (Granular Media) (ft ³):	34
		Diameter (in.):	48
		Cross Sectional Area (ft ²):	12.56
		Height (in.):	67
		Volume (total) (ft ³):	70.13

Size of GAC Units:	1,000	lb
Number of Units in Series:	2	
Number of Units in Parallel:	1	
Total Pounds of Carbon:	2,000	lb

► **Output - Estimated Bed Contact Time Calculation**

System Flow Rate:	0.5	gpm
Transfer Pump Flow Rate:	2.0	gpm
Is Flow Divided in Parallel:	NO	
Parallel System Transfer Pump Flow Rate:		gpm
Surface Loading Rate:	0.021	cfm/ft²
Empty Bed Contact Time (EBCT):	255.6	min

► **Output - Liquid Phase GAC Usage & Breakthrough Time**

Overall Assumed Carbon Removal Efficiency:	99.5%	
Total GAC usage:	9.86	lb/day

TIME TO BREAKTHROUGH (days):	202.77	days
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