

APPENDIX F: APRIL AND SEPTEMBER 2011 LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
Gude Landfill Nature and Extent Study Amendment No.1

Analyte	MCL	Units	Sample Name:	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11A	MW-11B	MW-12	MW-13A	MW-13B	OB01	OB02
			Sample Date:	4/19/2011	4/19/2011	4/19/2011	4/20/2011	4/20/2011	4/26/2011	4/20/2011	4/26/2011	4/25/2011	4/21/2011	4/26/2011	4/26/2011	4/26/2011	4/26/2011	4/25/2011	4/25/2011	4/20/2011	4/21/2011
VOLATILE ORGANIC COMPOUNDS																					
1,1,1,2-Tetrachloroethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	9.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25	1 U	1 U	1 U
1,1-Dichloroethene	7	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U
1,2,3-Trichloropropane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.2	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6.6	1 U	1 U	1 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	NSL	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	NSL	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	NSL	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	NSL	µg/L	5 U	5 U	5 U	5 U	5 U	9.4	5 U	5 U	8.6	22	24	5 U	5 U	5 U	5 U	5 U	35	5 U	5 U
Acrylonitrile	NSL	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	4.4	1 U	1 U	1 U
Bromochloromethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	µg/L	1 U	1 U	1 U	1 U	1 U	5.6	7.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	NSL	µg/L	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	2.9	1 U	1 U	3.7	1 U	5.2	1 U	1 U	4.1	6.4	4.6	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	µg/L	1 U	1 U	1 U	1 U	1 U	13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	96	3.9	6.6	1 U	1 U
cis-1,3-Dichloropropene	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Iodide	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Tertiary Butyl Ether	NSL	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	3.1	2 U	2 U	2 U
Methylene Bromide	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10	1 U	1 U	1 U	1 U
Styrene	100	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	µg/L	1 U	4	1.9	1 U	1 U	1 U	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	17	1 U	1 U	1 U	1 U
Toluene	1000	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	µg/L	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.3	1 U	1 U	1 U
trans-1,3-Dichloropropene	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	NSL	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	µg/L	1 U	1 U	1 U	1 U	1 U	5.6	1 U	11	1 U	1 U	1 U	1 U	1 U	1 U	23	1 U	1 U	1 U	1 U
Trichlorofluoromethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U
Vinyl Acetate	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	14	1 U	1 U	1 U	1 U
Xylene	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

- (1) Bolded and shaded results represent concentrations that exceed the maximum contaminant levels.
- (2) Abbreviations: MCL=Maximum Contaminant Level; NSL=No Screening Level; µg/L = micrograms per liter
- (3) Data Qualifiers: J = Value is estimated; U = Not Detected; NA = Blank Results

APPENDIX F: APRIL AND SEPTEMBER 2011 LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
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Analyte	MCL	Units	Sample Name:	OB02A	OB03	OB03A	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB015	OB025	OB102	OB105	OB11	OB11A	OB12
			Sample Date:	4/21/2011	4/25/2011	4/26/2011	4/25/2011	4/25/2011	4/19/2011	4/19/2011	4/19/2011	4/21/2011	4/20/2011	4/26/2011	4/21/2011	4/20/2011	4/19/2011	4/25/2011	4/20/2011	4/20/2011	4/21/2011
GENERAL PARAMETERS																					
Alkalinity	NSL	mg/L	35	267	340	238	133	145	175	112	230	220	116	74	282	1008	728	211	292	44	
Ammonia as Nitrogen (N)	NSL	mg/L	0.2 U	4.97	7.91	0.695	0.379	0.389	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.629	11.1	25.1	0.2 U	2.11	0.2 U
Chemical Oxygen Demand	NSL	mg/L	10 U	28.8	35	30.7	39.3	38.9	14	16.5	10 U	10.2	10 U	10 U	107	235 J	92.4	32.5	33.7	6.9	
Chloride	NSL	mg/L	302	220	239	433	473	356	193 J	216	34.2	45.4	89	4.61	62.3	578	219 J	259	211	80.1	
Hardness	NSL	mg/L	391	3600	580	717	592	553	407	390	265	370	230	114	450	775	576	563	524	182	
Nitrate as N	10	mg/L	0.543	0.2 U	0.2 U	0.2 U	0.2 U	0.758	0.861	0.902	0.2 U	0.2 U	0.2 U	0.2 U	1.33	0.2 U	0.99	0.2 U	0.2 U	1.59	
Nitrate/Nitrite as N	NSL	mg/L	0.553	0.2 U	0.2 U	0.2 U	0.2 U	0.926	0.911	0.952	0.2 U	0.2 U	0.2 U	0.2 U	1.38	0.2 U	1.04	0.2 U	0.2 U	1.64	
Nitrite as N	1	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.168	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
Sulfate, total	NSL	mg/L	17.8 J	41.4	58.4	19.6 J	11.5 J	85.7	20.4 J	22.6 J	4 U	4 U	4 U	78.9	32.1 J	74.3	139 J	9.48	17 J	4.78	
Total Dissolved Solids	NSL	mg/L	288	784	980	1428	1356	1192	800	796	280	340	456	420	532	2308	1320	1116	908	120	
Turbidity (TSS)	NSL	NTU	0.416	2.81	13.6	0.421	5.83	3800	0.939	0.579	0.735	1.36	0.443	96.8	15050	23.7	240	0.733	0.83	0.167	
METALS, DISSOLVED																					
Antimony, dissolved	0.006	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	
Arsenic, dissolved	0.010	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.00506	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00572	0.005 U	0.005 U	0.005 U	0.005 U	
Barium, dissolved	2	mg/L	0.339	0.71	0.501	0.261	0.0543	0.18	0.0259	0.0392	0.119	0.0974	0.0599	0.0723	0.0965	0.352	0.189	0.0302	0.193	0.0215	
Beryllium, dissolved	0.004	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	
Cadmium, dissolved	0.005	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0106	0.005 U	0.005 U	
Calcium, dissolved	NSL	mg/L	84.8	74.8	93.1	160	118	122	101	73.1	63.1	46.6	17.5	14.5	65.7	115	92.9	123	76	34.2	
Chromium, dissolved	0.1	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	
Cobalt, dissolved	NSL	mg/L	0.005 U	0.061	0.0546	0.005 U	0.005 U	0.00525	0.005 U	0.005 U	0.00697	0.0136	0.005 U	0.005 U	0.012	0.0785	0.0128	0.005 U	0.0244	0.005 U	
Copper, dissolved	1.3	mg/L	0.00551	0.005 U	0.005 U	0.0361	0.022	0.00777	0.005 U	0.005 U	0.00527	0.005 U	0.005 U	0.005 U	0.005 U	0.0796	0.00526	0.00783	0.00851	0.005 U	
Iron, dissolved	NSL	mg/L	0.65	28.8	37	1.3	0.974	0.723	0.5 U	0.5 U	0.749	2.95	0.144 J	1.85	0.594	1.09	7.17	0.629	0.788	0.5 U	
Lead, dissolved	0.015	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	
Magnesium, dissolved	NSL	mg/L	48.6	45.4	68.2	80.2	83.9	49.1	30.6	40.7	15.4	17.7	8	18.2	42.2	96.1	84.6	61.1	56.2	23.1	
Manganese, dissolved	NSL	mg/L	0.0386	18.1	9.85	1.95	1.1	0.462	0.04	0.0506	6.75	7.85	0.0124	1.58	7.2	21.7	1.55	0.827	6.52	0.105	
Mercury, dissolved	0.002	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00024	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0007	0.0002 U	0.0002 U	
Nickel, dissolved	NSL	mg/L	0.0109	0.0173	0.0158	0.0134	0.0178	0.0139	0.005 U	0.005 U	0.00786	0.00721	0.005 U	0.0098	0.0104	0.0958	0.0146	0.0342	0.0191	0.00831	
Potassium, dissolved	NSL	mg/L	4.42	8.75	17.5	6.58	5	4.58	3.31	2.42	2.44	2.48	1.2	1.86	10.2	37.3	61.4	4.8	6.61	3.25	
Selenium, dissolved	0.050	mg/L	0.005 U	0.005 U	0.005 U	0.0206	0.0223	0.0146	0.0082	0.00881	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0257	0.00964	0.00599	0.005 U	0.005 U	
Silver, dissolved	NSL	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	
Sodium, dissolved	NSL	mg/L	29.9	71.7	126	68.8	90.8	70.3	19.4	21.9	26.7	27.3	9.28	29.2	38.7	582	216	63.4	84.5	24.8	
Thallium, dissolved	0.002	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	
Vanadium, dissolved	NSL	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	
Zinc, dissolved	NSL	mg/L	0.00756	0.0134	0.00711	0.0119	0.0186	0.0241	0.005 U	0.005 U	0.00698	0.00641	0.0907	0.033	0.00899	0.0129	0.0934	0.0449	0.0239	0.00545	
METALS																					
Antimony, total	0.006	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	
Arsenic, total	0.010	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.0053	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0061	0.005 U	0.005 U	0.005 U	0.005 U	
Barium, total	2	mg/L	0.349	0.736	0.0796	0.264	0.0579	0.536	0.0256	0.0401	0.116	0.099	0.0531	0.0857	0.195	0.349	0.218	0.0301	0.957	0.0211	
Beryllium, total	0.004	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0102	
Cadmium, total	0.005	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01	0.0059	0.005 U	
Calcium, total	NSL	mg/L	82.9	69	24.8 J	154 J	117 J	145 J	114 J	86.5	62.7	58.1	39.8 J	14.8 J	92.7	124	92.2	134 J	84.7	34.1 J	
Chromium, total	0.1	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0199	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0053	0.005 U	0.005 U	0.0106	0.005 U	0.0321	0.005 U	
Cobalt, total	NSL	mg/L	0.005 U	0.0629	0.005 U	0.005 U	0.005 U	0.0101	0.005 U	0.005 U	0.007	0.0146	0.005 U	0.0072	0.0244	0.0764	0.0202	0.005 U	0.144	0.005 U	
Copper, total	1.3	mg/L	0.0053	0.0076	0.0108	0.0367	0.0283	0.0444	0.005 U	0.005 U	0.006	0.006	0.005 U	0.0119	0.0062	0.0483	0.0277	0.0078	0.17	0.005 U	
Iron, total	NSL	mg/L	0.5 U	23.6 J	2.71	0.5 U	0.636	15.5	1.08	0.819	0.718	3.69	0.783	9.24	1.32	1.69	17.1 J	1.27	48.4 J	0.5 U	
Lead, total	0.015	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0474	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0723	0.005 U	
Magnesium, total	NSL	mg/L	53.4	47.1 J	15.8	88.1	94.8	63	35.2 J	49.3 J	17 J	20.3	24.9 J	22 J	70.2	102 J	96.5	66.6	55	27 J	
Manganese, total	NSL	mg/L	0.0513	18.5	0.982	1.94	1.12	0.862	0.0338	0.07	6.56	8.57	2.68	1.78	6.86	23.5	1.68	0.869	13.1	0.106	
Mercury, total	0.002	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00852	0.00049	0.00075	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00142	0.0002 U	0.00026	0.00165	0.0002 U	0.0002 U	
Nickel, total	NSL	mg/L	0.011	0.0176	0.005 U	0.0132	0.0193	0.0245	0.005 U	0.005 U	0.0077	0.0071	0.0063	0.0149	0.0183	0.092	0.0258	0.0331	0.0701	0.0084	
Potassium, total	NSL	mg/L	5.2	10.1	4.68	7.29	5.92	6.2	3.24	2.3	2.91	2.77	3.28	2.29	7.24	39.8 J	61.3	4.82	13.7 J	3.24	
Selenium, total	0.050	mg/L	0.005 U	0.005 U	0.005 U	0.0193	0.0223	0.0201	0.0071	0.0095	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0237	0.0102				

APPENDIX F: APRIL AND SEPTEMBER 2011 LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
Gude Landfill Nature and Extent Study Amendment No.1

Analyte	MCL	Units	Sample Name:	OB02A	OB03	OB03A	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB015	OB025	OB102	OB105	OB11	OB11A	OB12
			Sample Date:	4/21/2011	4/25/2011	4/26/2011	4/25/2011	4/25/2011	4/19/2011	4/19/2011	4/19/2011	4/21/2011	4/20/2011	4/26/2011	4/21/2011	4/20/2011	4/19/2011	4/25/2011	4/20/2011	4/20/2011	4/21/2011
VOLATILE ORGANIC COMPOUNDS																					
1,1,1,2-Tetrachloroethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	NSL	µg/L	1 U	23	1 U	1 U	22	1 U	1 U	1 U	1 U	1 U	1 U	2.3	1 U	1 U	1 U	1 U	1 U	1 U	23
1,1-Dichloroethene	7	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25	1 U
1,2,3-Trichloropropane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.2	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.9	2.8	1 U
1,2-Dichloroethane	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U
1,2-Dichloropropane	5	µg/L	1 U	4.1	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.1	3.7	3.3
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	NSL	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	NSL	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	NSL	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	NSL	µg/L	5 U	8.1	5 U	5 U	6.6	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	NSL	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	µg/L	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.2	3.5	2.2
Bromochloromethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	NSL	µg/L	1 U	3.9	1.2	1 U	1 U	1 U	1 U	1 U	1 U	2.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	µg/L	1 U	5.7	1 U	1 U	1 U	1 U	1 U	1 U	6.1	7.3	1 U	1 U	1 U	1 U	1 U	1 U	52	29	1 U
Chloroethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	NSL	µg/L	1.5	5.3	4.1	1 U	7.5	1 U	1 U	1 U	2.6	4	6.2	1 U	1 U	1 U	1 U	2.3	1.4	2.1	
cis-1,2-Dichloroethene	70	µg/L	1 U	38	1 U	11	67	1 U	1 U	1 U	8.9	12	9.6	1 U	1 U	1 U	1 U	1 U	76	14	
cis-1,3-Dichloropropene	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Iodide	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Tertiary Butyl Ether	NSL	µg/L	2 U	2.6	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5.6	3.8
Methylene Bromide	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	µg/L	1 U	1 U	1 U	2	7.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	16	1.8	10
Styrene	100	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	µg/L	1 U	1 U	1 U	1 U	13	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26	14	12
Toluene	1000	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	µg/L	1 U	6.3	1 U	1 U	5.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.9	1 U	1.8
trans-1,3-Dichloropropene	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	NSL	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	µg/L	1 U	21	1 U	1 U	17	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	28	17	9.4
Trichlorofluoromethane	NSL	µg/L	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6.8	2.9	4.5
Vinyl Acetate	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.2	4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6.6
Vinyl Chloride	2	µg/L	1 U	11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	14	11	1 U
Xylene	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

Notes:

- (1) Bolded and shaded results represent concentrations that exceed the maximum contaminant levels.
(2) Abbreviations: MCL=Maximum Contaminant Level; NSL=No Screening Level; µg/L = micrograms per liter
(3) Data Qualifiers: J = Value is estimated; U = Not Detected; NA = Blank Results

APPENDIX F: APRIL AND SEPTEMBER 2011 LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
Gude Landfill Nature and Extent Study Amendment No.1

Analyte	MCL	Units	Sample Name:	MW-14A	MW-14B	MW-15	TGW-01	TGW-02	TGW-03	TGW-04	TGW-05	TGW-06	TGW-07	TGW-08	TGW-09	TGW-10		
			Parent Sample Name:															
			Sample Date:	9/2/2011	9/2/2011	9/2/2011	9/2/2011	9/2/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/2/2011	
GENERAL																		
Alkalinity	NSL	mg/L	16	35	30	NA	49	68	25	81	NA	NA	NA	NA	NA	230		
Ammonia Nitrogen	NSL	mg/L	0.26	0.27	0.39	NA	0.31	1.11	0.41	0.22	NA	NA	NA	NA	NA	2.65		
Chemical Oxygen Demand	NSL	mg/L	56	20 U	51	NA	55	142	27	25	NA	NA	NA	NA	NA	76		
Chloride	NSL	mg/L	300	7.5	11	NA	64	70	110	65	NA	NA	NA	NA	NA	250		
Cyanide, Total	NSL	mg/L	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	0.05 U		
Hardness	NSL	mg/L	490	38	63	85	55	92	110	290	240	480	140	53	400			
Nitrate	10	mg/L	2.6	2.7	3.1	NA	0.2	0.2	0.3	0.2	NA	NA	NA	NA	0.1			
pH	NSL	SU	5.4	5.8	5.7	NA	5.7	6	5.3	6.3	NA	NA	NA	NA	6.3			
Specific Conductivity, Lab	NSL	umhos/cm	980	120	120	NA	360	390	410	360	NA	NA	NA	NA	1			
Sulfate, total	NSL	mg/L	11	0.2 U	0.3	NA	23	15	7.6	13	NA	NA	NA	NA	0.2 U			
Sulfide	NSL	mg/L	3 U	3 U	3 U	NA	3 U	0.72 J	3 U	3 U	NA	NA	NA	NA	0.96 J			
Total Dissolved Solids	NSL	mg/L	720	140	100	NA	300	280	260	220	NA	NA	NA	NA	750			
Turbidity (TSS)	NSL	NTU	360	2.7	440	NA	2	3	1	51	NA	NA	NA	NA	1			
HERBICIDES																		
2,4,5-T	NSL	ug/L	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.4 U	NA	0.3 U	NA	NA	0.2 U			
2,4-D	70	ug/L	2 U	2 U	2 U	NA	2 U	2 U	2 U	4 U	NA	3 U	NA	NA	2 U			
Silvex	50	ug/L	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.4 U	NA	0.3 U	NA	NA	0.2 U			
METALS, DISSOLVED																		
Antimony, dissolved	0.006	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U			
Arsenic, dissolved	0.010	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0017	0.0044	0.001 U	0.001 U	0.0007 J	0.0012	0.001 U	0.0005 J	0.0033			
Barium, dissolved	2	mg/L	0.42	0.012	0.027	0.0029	0.036	0.054	0.032	0.023	0.11	0.072	0.0059	0.0025	0.19			
Beryllium, dissolved	0.004	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U			
Cadmium, dissolved	0.005	mg/L	0.0006	0.001 U	0.001 U	0.0005 J	0.001 U	0.001 U	0.001 U	0.001 U	0.0014	0.001 U	0.001 U	0.0008 J	0.001 U			
Chromium, dissolved	0.1	mg/L	0.0007 J	0.0012	0.0007 J	0.001 U	0.0008 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U			
Cobalt, dissolved	NSL	mg/L	0.0028	0.001 U	0.0017	0.0092	0.009	0.019	0.0085	0.013	0.026	0.021	0.0022	0.0034	0.0038			
Copper, dissolved	1.3	mg/L	0.0018	0.001 U	0.001 U	0.0011	0.0008 J	0.001 U	0.001 J	0.0007 J	0.001 U	0.001 U	0.001 U	0.002	0.001 U			
Lead, dissolved	0.015	mg/L	0.0009 J	0.001 U	0.001 U	0.001 U	0.0006 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U			
Mercury, dissolved	0.002	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0001 J	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U			
Nickel, dissolved	NSL	mg/L	0.04	0.0011	0.002	0.0036	0.0068	0.0051	0.014	0.011	0.0073	0.0062	0.002	0.0036	0.0013			
Selenium, dissolved	0.050	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U			
Silver, dissolved	NSL	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U			
Thallium, dissolved	0.002	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U			
Tin, dissolved	NSL	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U			
Vanadium, dissolved	NSL	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U			
Zinc, dissolved	NSL	mg/L	0.071	0.012	0.016	0.018	0.022	0.014	0.044	0.037	0.014	0.015	0.01 U	0.01 U	0.013			
METALS																		
Antimony, total	0.006	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U			
Arsenic, total	0.010	mg/L	0.0007 J	0.001 U	0.0018	0.0049	0.0031	0.0053	0.0008 J	0.012	0.0067	0.054	0.0072	0.0027	0.0029			
Barium, total	2	mg/L	0.62	0.013	0.16	0.28	0.072	0.28	0.042	0.62	0.53	0.005	0.001	0.059	0.23			
Beryllium, total	0.004	mg/L	0.001 U	0.001 U	0.001 U	0.0028	0.001 U	0.0017	0.001 U	0.0085	0.0047	0.043	0.0041	0.0011	0.001 U			
Cadmium, total	0.005	mg/L	0.0007	0.001 U	0.001 U	0.001 U	0.001 U	0.0045	0.001 U	0.001 U	0.0044	0.0073	0.0048	0.005	0.001 U			
Chromium, total	0.1	mg/L	0.027	0.0016	0.012	0.06	0.0095	0.022	0.0026	0.043	0.094	0.33	0.073	0.023	0.0029			
Cobalt, total	NSL	mg/L	0.015	0.001 U	0.013	0.047	0.017	0.049	0.012	0.14	0.097	0.82	0.065	0.025	0.0056			
Copper, total	1.3	mg/L	0.046	0.001 U	0.056	0.062	0.014	0.1	0.0023	0.071	0.087	0.48	0.11	0.025	0.0013			
Lead, total	0.015	mg/L	0.0023	0.001 U	0.0052	0.089	0.0079	0.038	0.0015	0.12	0.069	0.54	0.1	0.005	0.0009 J			
Mercury, total	0.002	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0001 JB	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U			
Nickel, total	NSL	mg/L	0.073	0.0014	0.015	0.026	0.014	0.024	0.017	0.082	0.049	0.44	0.04	0.013	0.0017			
Selenium, total	0.050	mg/L	0.001 U	0.001 U	0.001 U	0.0007	0.001 U	0.001 U	0.001 U	0.0018	0.001 J	0.0069	0.0008 J	0.001 U	0.001 U			
Silver, total	NSL	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U			
Thallium, total	0.002	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0007 J	0.001 U	0.001 U	0.001 U	0.001	0.001 U	0.001 U	0.001 U			
Tin, total	NSL	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0034 J	0.005 U	0.005 U	0.003 J	0.005 U	0.005 U			
Vanadium, total	NSL	mg/L	0.035	0.005 U	0.012	0.1	0.017	0.13	0.0045 J	0.038	0.21	0.002	0.096	0.051	0.004 J			
Zinc, total	NSL	mg/L	0.083	0.01 U	0.05	0.091	0.039	0.064	0.052	0.46	0.13	0.001	0.26	0.072	0.01			

Notes:

- (1) Bolded and shaded results represent concentrations that exceed the maximum contaminant levels.
- (2) Abbreviations: MCL=Maximum Contaminant Level; NSL=No Screening Level; µg/L = micrograms per liter
- (3) Data Qualifiers: J = Value is estimated; U = Not Detected; NA = Blank Results

APPENDIX F: APRIL AND SEPTEMBER 2011 LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
Gude Landfill Nature and Extent Study Amendment No.1

Analyte	MCL	Sample Name:	MW-14A	MW-14B	MW-15	TGW-01	TGW-02	TGW-03	TGW-04	TGW-05	TGW-06	TGW-07	TGW-08	TGW-09	TGW-10	
		Parent Sample Name:														
		Sample Date:	9/2/2011	9/2/2011	9/2/2011	9/2/2011	9/2/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/2/2011	
Units																
PESTICIDES																
4,4'-DDD	NSL	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
4,4'-DDE	NSL	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
4,4'-DDT	NSL	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
Aldrin	NSL	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
alpha-BHC	NSL	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
alpha-Chlordane	2	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
Aroclor 1016	NSL	µg/L	1 U	1.1 U	1 U	NA	1.1 U	1 U	1 U	1.5 U	1.3 U	1 U	1 U	NA	1.1 U	
Aroclor 1221	NSL	µg/L	1 U	1.1 U	1 U	NA	1.1 U	1 U	1 U	1.5 U	1.3 U	1 U	1 U	NA	1.1 U	
Aroclor 1232	NSL	µg/L	1 U	1.1 U	1 U	NA	1.1 U	1 U	1 U	1.5 U	1.3 U	1 U	1 U	NA	1.1 U	
Aroclor 1242	NSL	µg/L	1 U	1.1 U	1 U	NA	1.1 U	1 U	1 U	1.5 U	1.3 U	1 U	1 U	NA	1.1 U	
Aroclor 1248	NSL	µg/L	1 U	1.1 U	1 U	NA	1.1 U	1 U	1 U	1.5 U	1.3 U	1 U	1 U	NA	1.1 U	
Aroclor 1254	NSL	µg/L	1 U	1.1 U	1 U	NA	1.1 U	1 U	1 U	1.5 U	1.3 U	1 U	1 U	NA	1.1 U	
Aroclor 1260	NSL	µg/L	1 U	1.1 U	1 U	NA	1.1 U	1 U	1 U	1.5 U	1.3 U	1 U	1 U	NA	1.1 U	
beta-BHC	NSL	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
Chlordane	2	µg/L	2 U	2 U	2 U	NA	2 U	2 U	2 U	3 U	3 U	2 U	2 U	NA	2 U	
delta-BHC	NSL	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
Dieldrin	NSL	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
Endosulfan I	NSL	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
Endosulfan II	NSL	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
Endosulfan sulfate	NSL	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
Endrin	2	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
Endrin aldehyde	NSL	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
Endrin ketone	NSL	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
gamma-BHC	0.2	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
gamma-Chlordane	2	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
Heptachlor	0.4	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
Heptachlor epoxide	0.2	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
Methoxychlor	40	µg/L	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.08 U	0.12 U	0.1 U	0.08 U	0.08 U	NA	0.09 U	
Toxaphene	3	µg/L	2 U	2 U	2 U	NA	2 U	2 U	2 U	3 U	3 U	2 U	2 U	NA	2 U	
SEMIVOLATILE ORGANIC COMPOUNDS																
1,2,4,5-Tetrachlorobenzene	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
1,2,4-Trichlorobenzene	70	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,3-Dichlorobenzene	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
2,2'-Oxybis (1-chloropropane)	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
2,3,4,6-Tetrachlorophenol	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
2,4,5-Trichlorophenol	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
2,4,6-Trichlorophenol	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
2,4-Dichlorophenol	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
2,4-Dimethylphenol	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
2,4-Dinitrophenol	NSL	µg/L	10 U	10 U	10 U	10 U	11 U	10 U	10 U	14 U	10 U	11 U	11 U	10 U	11 U	
2,4-Dinitrotoluene	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
2,6-Dinitrotoluene	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
2-Chloronaphthalene	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
2-Chlorophenol	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
2-Methyl-4,6-Dinitrophenol	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
2-Methylnaphthalene	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
2-Methylphenol	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
2-Nitroaniline	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
2-Nitrophenol	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
3,3'-Dichlorobenzidine	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
3+4-Methylphenol	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
3-Nitroaniline	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
4-Bromophenyl Phenyl Ether	NSL	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	

Notes:

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APPENDIX F: APRIL AND SEPTEMBER 2011 LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER
Gude Landfill Nature and Extent Study Amendment No.1

Analyte	MCL	Units	Sample Name:	MW-14A	MW-14B	MW-15	TGW-01	TGW-02	TGW-03	TGW-04	TGW-05	TGW-06	TGW-07	TGW-08	TGW-09	TGW-10	
			Parent Sample Name:														
			Sample Date:	9/2/2011	9/2/2011	9/2/2011	9/2/2011	9/2/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/2/2011
4-Chloro-3-Methylphenol	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
4-Chloroaniline	NSL	µg/L		10 U	10 U	10 U	10 U	11 U	10 U	10 U	14 U	10 U	11 U	11 U	10 U	11 U	
4-Chlorophenyl Phenyl Ether	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
4-Nitroaniline	NSL	µg/L		10 U	10 U	10 U	10 U	11 U	10 U	10 U	14 U	10 U	11 U	11 U	10 U	11 U	
4-Nitrophenol	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Acenaphthene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Acenaphthylene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Acetophenone	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Anthracene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Benz[a]anthracene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Benzof[a]pyrene	0.2	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Benzof[b]fluoranthene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Benzof[g,h,i]perylene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Benzof[k]fluoranthene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Benzyl Butyl Phthalate	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Bis(2-Chloroethoxy) Methane	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Bis-(2-Chloroethyl) ether	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Bis(2-Ethylhexyl) Phthalate	6	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Chrysene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Dibenz[a,h]anthracene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Dibenzofuran	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Diethyl Phthalate	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Dimethoate	NSL	µg/L		1 U	0.99 U	1 U	NA	1.1 U	1 U	1 U	1 U	NA	1 U	NA	NA	1 U	
Dimethyl Phthalate	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Di-n-butyl Phthalate	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Di-n-octyl Phthalate	NSL	µg/L		10 U	10 U	10 U	10 U	11 U	10 U	10 U	14 U	10 U	11 U	11 U	10 U	11 U	
Dinoseb	7	µg/L		1 U	1 U	1 U	NA	1 U	1 U	1 U	2 U	NA	1 U	NA	NA	1 U	
Disulfoton	NSL	µg/L		1 U	0.99 U	1 U	NA	1.1 U	1 U	1 U	1 U	NA	1 U	NA	NA	1 U	
Ethyl Parathion	NSL	µg/L		1 U	0.99 U	1 U	NA	1.1 U	1 U	1 U	1 U	NA	1 U	NA	NA	1 U	
Famphur	NSL	µg/L		1 U	0.99 U	1 U	NA	1.1 U	1 U	1 U	1 U	NA	1 U	NA	NA	1 U	
Fluoranthene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Fluorene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Hexachlorobenzene	1	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Hexachlorobutadiene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Hexachlorocyclopentadiene	50	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Hexachloroethane	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Indeno[1,2,3-cd]pyrene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Isophorone	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Methyl Parathion	NSL	µg/L		1 U	0.99 U	1 U	NA	1.1 U	1 U	1 U	1 U	NA	1 U	NA	NA	1 U	
Naphthalene	NSL	µg/L		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Nitrobenzene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
N-Nitrosodimethylamine	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
N-Nitroso-Di-n-propylamine	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
N-Nitrosodiphenylamine	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Pentachlorophenol	1	µg/L		10 U	10 U	10 U	10 U	11 U	10 U	10 U	14 U	10 U	11 U	11 U	10 U	11 U	
Phenanthrene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Phenol	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Phorate	NSL	µg/L		1 U	0.99 U	1 U	NA	1.1 U	1 U	1 U	1 U	NA	1 U	NA	NA	1 U	
Pyrene	NSL	µg/L		5 U	5 U	5 U	5 U	6 U	5 U	5 U	7 U	5 U	6 U	6 U	5 U	5 U	
Thionazin	NSL	µg/L		1 U	0.99 U	1 U	NA	1.1 U	1 U	1 U	1 U	NA	1 U	NA	NA	1 U	
VOLATILE ORGANIC COMPOUNDS																	
1,1,1,2-Tetrachloroethane	NSL	µg/L		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1,1-Trichloroethane	200	µg/L		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1,2,2-Tetrachloroethane	NSL	µg/L		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	

Notes:

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		Parent Sample Name:														
		Sample Date:	9/2/2011	9/2/2011	9/2/2011	9/2/2011	9/2/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/2/2011
	Units															
1,1,2-Trichloroethane	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1-Dichloroethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	2	1 U	14	12	1 U	1 U	1 U	1 U	
1,1-Dichloroethene	7	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1-Dichloropropene	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2,3-Trichlorobenzene	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2,3-Trichloropropane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dibromo-3-chloropropane	0.2	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
1,2-Dibromoethane	0.05	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dichloroethane	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.9J	1	1 U	1 U	1 U	1 U	
1,2-Dichloropropane	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	4	1 U	1 U	1 U	1 U	
1,3-Dichloropropane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	0.6J	1	1 U	1 U	1 U	1 U	1 U	
2,2-Dichloropropane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
2-Butanone	NSL	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
2-Hexanone	NSL	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
4-Methyl-2-Pentanone	NSL	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Acetone	NSL	µg/L	5 U	5 U	5 U	13	5 U	15	5 U	5 U	8	17	5	7	5 U	
Acrolein	NSL	µg/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	
Acrylonitrile	NSL	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	2	1 U	1 U	1 U	1 U	
Bromochloromethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Bromodichloromethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Bromoform	NSL	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Bromomethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Carbon Disulfide	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Carbon Tetrachloride	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chlorobenzene	100	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1J	1 U	1 U	1 U	1 U	1 U	
Chloroethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chloroform	NSL	µg/L	0.9J	2	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chloromethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
cis-1,2-Dichloroethene	70	µg/L	1 U	1 U	1 U	1 U	1 U	3	1 U	33	19	1 U	0.7J	1 U	1 U	
cis-1,3-Dichloropropene	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Dibromochloromethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Dichlorodifluoromethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	13	1 U	1 U	1 U	1 U	1 U	
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
m&p-Xylene	NSL	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
Methyl Iodide	NSL	µg/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	
Methylene Bromide	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Methylene Chloride	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
o-Xylene	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Styrene	100	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Tetrachloroethene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5	1	1 U	1 U	1 U	1 U	
Toluene	1000	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
trans-1,2-Dichloroethene	100	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.9J	1 U	1 U	1 U	1 U	1 U	
trans-1,3-Dichloropropene	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
trans-1,4-Dichloro-2-butene	NSL	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Trichloroethene	5	µg/L	1 U	1 U	1 U	1 U	1 U	2	1 U	8	3	1 U	1 U	1 U	1 U	
Trichlorofluoromethane	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Vinyl Acetate	NSL	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Vinyl Chloride	2	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	4	1 U	1 U	1 U	1 U	

Notes:

- (1) Bolded and shaded results represent concentrations that exceed the maximum contaminant levels.
- (2) Abbreviations: MCL=Maximum Contaminant Level; NSL=No Screening Level; µg/L = micrograms per liter
- (3) Data Qualifiers: J = Value is estimated; U = Not Detected; NA = Blank Results