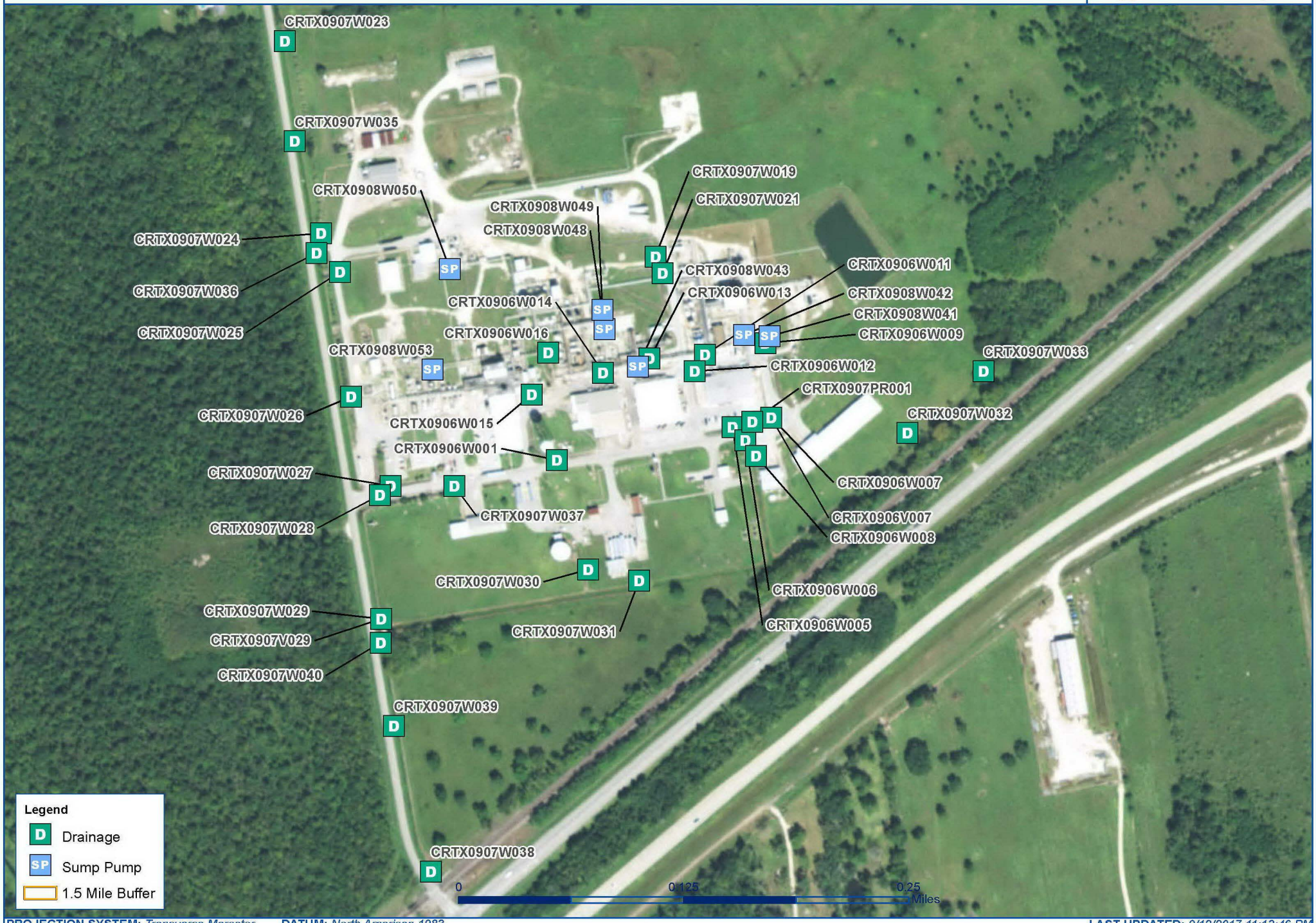
Drainage/Containment Sampling Locations

Arkema Hurricane Harvey Response

Project: 109489
Client: Arkema
City: Crosby, TX
County: Harris



PROJECTION SYSTEM: *Transverse Mercator* DATUM: *North American 1983* LAST UPDATED: *9/12/2017 11:13:46 PM*

ARK_HCPCSD_0000226

Arkema Harvey Response

Analytical Sampling Results | Drainage Samples

Data recievec as of 9/14/2017 07:30

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Lab Analysis	Analyte	Cas No	Result Units	Drainage ditch across from building 5 W001 CRTX0906W001 Drainage	Drainage ditch across street from building 21 W007 CRTX0906W007 Drainage	CRTX0906W007 Drainage	Drainage ditch across street from building 27 W008 CRTX0906W008 Drainage	Drainage ditch at intersection of East Side Dr and Production Point W009 CRTX0906W009 Drainage	Drainage ditch east of intersection of MPU Toad and Production Point W011 CRTX0906W011 Drainage	Drainage ditch north of Tower Road and Production Point W015 CRTX0906W015 Drainage	Drainage ditch on southeast side of intersection of MPU Toad and Production Point W012 CRTX0906W012 Drainage	Drainage ditch west of building 27 W006 CRTX0906W006 Drainage	Drainage ditch west of Lab Lane and Production Point W014 CRTX0906W014 Drainage	Drainage ditch west of MPU Road and Production Point W013 CRTX0906W013 Drainage	Drainage ditch west of tank 17-T-24 containment W016 CRTX0906W016 Drainage	Draining ditch south of building 28 W005 CRTX0906W005 Drainage
Physical Characteristic	Carbon Dioxide	124-38-9	ug/l	108	818	712	< 1.7	< 1.7	560	4,490	524	1,320	71	130	109	533
Semivolatiles	1-Methylnaphthalene	90-12-0	ug/l	< 1.9	< 1.9	< 1.9	< 1.8	< 1.8	< 1.9	< 1.9	< 1.8	< 1.8	< 1.8	< 1.8	< 1.9	< 1.9
	1,2-Dichlorobenzene	95-50-1	ug/l	< 1.9	< 1.9	< 1.9	< 1.8	< 1.8	< 1.9	< 1.9	< 1.8	< 1.8	< 1.8	< 1.8	< 1.9	< 1.9
	1,2-Diphenylhydrazine	122-66-7	ug/l	< 1.9	< 1.9	< 1.9	< 1.8	< 1.8	< 1.9	< 1.9	< 1.8	< 1.8	< 1.8	< 1.8	< 1.9	< 1.9
	1,2,4-Trichlorobenzene	120-82-1	ug/l	< 1.9	< 1.9	< 1.9	< 1.9	< 1.8	< 1.9	< 1.9	< 1.8	< 1.9	< 1.8	< 1.8	< 1.9	< 1.9
	1,3-Dichlorobenzene	541-73-1	ug/l	< 1.7	< 1.7	< 1.7	< 1.6	< 1.6	< 1.7	< 1.7	< 1.6	< 1.6	< 1.6	< 1.6	< 1.7	< 1.7
	1,4-Dichlorobenzene	106-46-7	ug/l	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
	2-Chloronaphthalene	91-58-7	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2.1	< 2	< 2	< 2	< 2	< 2	< 2
	2 Chlorophenol	95 57 8	ug/l	< 1.5	< 1.5	< 1.5	< 1.4	< 1.4	< 1.5	< 1.5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.5	< 1.5
	2-Methylnaphthalene	91-57-6	ug/l	< 1.7	< 1.7	< 1.7	< 1.7	< 1.6	< 1.7	< 1.7	< 1.6	< 1.7	< 1.6	< 1.6	< 1.7	< 1.7
	2-Methylphenol	95-48-7	ug/l	< 1.5	< 1.5	< 1.5	< 1.5	< 1.4	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
	2-Nitroaniline	88-74-4	ug/l	< 2	< 2	< 2	< 1.9	< 1.9	< 2	< 2	< 1.9	< 1.9	< 1.9	< 1.9	< 2	< 2
	2-Nitrophenol	88-75-5	ug/l	< 1.9	< 1.9	< 1.9	< 1.9	< 1.8	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
	2,4-Dichlorophenol	120-83-2	ug/l	< 2.1	< 2.1	< 2.1	< 2.1	< 2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
	2,4-Dimethylphenol	105-67-9	ug/l	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
	2,4-Dinitrophenol	51-28-5	ug/l	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 1.3	< 1.3	< 1.2	< 1.3	< 1.2	< 1.2	< 1.3	< 1.3
	2,4 Dinitrotoluene	121 14 2	ug/l	< 2.2	< 2.2	< 2.2	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1	< 2.2	< 2.1	< 2.1	< 2.2	< 2.2
	2,4,5-Trichlorophenol	95-95-4	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2.1	< 2	< 2	< 2	< 2	< 2	< 2
	2,4,6-Trichlorophenol	88-06-2	ug/l	< 1.6	< 1.6	< 1.6	< 1.6	< 1.5	< 1.6	< 1.6	< 1.5	< 1.6	< 1.5	< 1.5	< 1.6	< 1.6
	2,6-Dinitrotoluene	606-20-2	ug/l	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 2	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
	3-Nitroaniline	99-09-2	ug/l	< 1.7	< 1.7	< 1.7	< 1.7	< 1.6	< 1.7	< 1.7	< 1.6	< 1.7	< 1.6	< 1.6	< 1.7	< 1.7
	3,3'-Dichlorobenzidine	91-94-1	ug/l	< 2.1	< 2.1	< 2.1	< 2.1	< 2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
	3&4-Methylphenol	N/A	ug/l	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
	4-Bromophenyl phenyl ether	101-55-3	ug/l	< 2	< 2	< 2	< 2	< 1.9	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
	4-Chloro-3-methyl phenol	59-50-7	ug/l	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.9	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
	4 Chloroaniline	106 4 7 8	ug/l	< 1.8	< 1.8	< 1.8	< 1.8	< 1.7	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
	4-Chlorophenyl phenyl ether	7005-72-3	ug/l	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 2	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
	4-Nitroaniline	100-01-6	ug/l	< 2.6	< 2.6	< 2.6	< 2.6	< 2.5	< 2.6	< 2.6	< 2.5	< 2.6	< 2.5	< 2.5	< 2.6	< 2.6
	4-Nitrophenol	100-02-7	ug/l	< 13	< 13	< 13	< 13	< 13	< 13	< 13	< 13	< 13	< 13	< 13	< 13	< 13
	4,6-Dinitro-o-cresol	534-52-1	ug/l	< 4	< 4	< 4	< 3.9	< 3.9	< 4	< 4	< 3.9	< 3.9	< 3.9	< 3.9	< 4	< 4
	Acenaphthene	83-32-9	ug/l	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
	Acenaphthylene	208-96-8	ug/l	< 1.8	< 1.8	< 1.8	< 1.8	< 1.7	< 1.8	< 1.8	< 1.7	< 1.8	< 1.7	< 1.7	< 1.8	< 1.8
	Aniline	62-53-3	ug/l	< 1.5	< 1.5	< 1.5	< 1.5	< 1.4	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
	Anthracene	120 12 7	ug/l	< 2	< 2	< 2	< 1.9	< 1.9	< 2	< 2	< 1.9	< 1.9	< 1.9	< 1.9	< 2	< 2
	Benzidine	92 8 7 5	ug/l	< 2.6	< 2.6	< 2.6	< 2.5	< 2.5	< 2.6	< 2.6	< 2.5	< 2.5	< 2.5	< 2.5	< 2.6	< 2.6
	Benzo(a)anthracene	56-55-3	ug/l	< 1.9	< 1.9	< 1.9	< 1.9	< 1.8	< 1.9	< 1.9	< 1.8	< 1.9	< 1.8	< 1.8	< 1.9	< 1.9
	Benzo(a)pyrene	50-32-8	ug/l	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
	Benzo(b)fluoranthene	205-99-2	ug/l	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.4	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
	Benzo(g,h,i)perylene	191-24-2	ug/l	< 2.1	< 2.1	< 2.1	< 2.1	< 2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
	Benzo(k)fluoranthene	207-08-9	ug/l	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
	Benzoic Acid	65-85-0	ug/l	< 1.8	< 1.8	< 1.8	< 1.8	< 1.7	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
	Benzyl Alcohol	100-51-6	ug/l	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
	bis(2 Chloroethoxy)methane	111 91 1	ug/l	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 2	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
	bis(2-Chloroethyl)ether	111-44-4	ug/l	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.7	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6

Results are reported as received from the laboratory and are subject to additional QA/QC measures

Non-detections are displayed as the Reporting Limit (RL) preceded by "<"

Sample results with the J qualifier indicate a detection estimated by the laboratory above the Method Detection Limit (MDL) and below the RL

- Detection
- Detection (Lab Estimated)
- Non-Detection

Arkema Harvey Response

Analytical Sampling Results | Drainage Samples

Data recievec as of 9/14/2017 07:30

				9/6													
				Drainage ditch across from building 5	Drainage ditch across street from building 21		Drainage ditch across street from building 27	Drainage ditch at intersection of East Side Dr and Production Point	Drainage ditch east of intersection of MPU Toad and Production Point	Drainage ditch north of Tower Road and Production Point	Drainage ditch on southeast side of intersection of MPU Toad and Production Point	Drainage ditch west of building 27	Drainage ditch west of Lab Lane and Production Point	Drainage ditch west of MPU Road and Production Point	Drainage ditch west of tank 17-T-24 containment	Draining ditch south of building 28
				W001	W007		W008	W009	W011	W015	W012	W006	W014	W013	W016	W005
				CRTX0906W001	CRTX0906W007	CRTX0906W007	CRTX0906W008	CRTX0906W009	CRTX0906W011	CRTX0906W015	CRTX0906W012	CRTX0906W006	CRTX0906W014	CRTX0906W013	CRTX0906W016	CRTX0906W005
Lab Analysis	**Analyte**	**Cas No**	**Result Units**	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage
Semivolatiles	bis(2-Chloroisopropyl)ether	108-60-1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7	< 1.6	< 1.7	< 1.7	< 1.6	< 1.7	< 1.6	< 1.6	< 1.7	< 1.7
	bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
	Butyl benzyl phthalate	85-68-7	ug/l	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
	Carbazole	86-74-8	ug/l	< 2	< 2	< 2	< 2	< 1.9	< 2	< 2	< 1.9	< 2	< 1.9	< 1.9	< 2	< 2
	Chrysene	218-01-9	ug/l	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
	Di-n-butyl phthalate	84-74-2	ug/l	< 2.1	< 2.1	< 2.1	< 2.1	< 2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
	Di-n-octyl phthalate	117-84-0	ug/l	< 2.7	< 2.7	< 2.7	< 2.7	< 2.6	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
	Dibenzo(a,h)anthracene	53-70-3	ug/l	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
	Dibenzofuran	132 64 9	ug/l	< 1.9	< 1.9	< 1.9	< 1.9	< 1.8	< 1.9	< 1.9	< 1.8	< 1.9	< 1.8	< 1.8	< 1.9	< 1.9
	Diethyl phthalate	84-66-2	ug/l	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 2	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
	Dimethyl phthalate	131-11-3	ug/l	< 2.1	< 2.1	< 2.1	< 2	< 2	< 2.1	< 2.1	< 2	< 2	< 2	< 2	< 2.1	< 2.1
	Fluoranthene	206-44-0	ug/l	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
	Fluorene	86-73-7	ug/l	< 1.9	< 1.9	< 1.9	< 1.8	< 1.8	< 1.9	< 1.9	< 1.8	< 1.8	< 1.8	< 1.8	< 1.9	< 1.9
	Hexachlorobenzene	118-74-1	ug/l	< 2.1	< 2.1	< 2.1	< 2.1	< 2	< 2.1	< 2.1	< 2	< 2.1	< 2	< 2	< 2.1	< 2.1
	Hexachlorobutadiene	87-68-3	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2.1	< 2	< 2	< 2	< 2	< 2	< 2
	Hexachlorocyclopentadiene	77-47-4	ug/l	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
	Hexachloroethane	67 72 1	ug/l	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
	Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.4	< 2.5	< 2.6	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
	Isophorone	78-59-1	ug/l	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
	N-Nitroso-di-n-propylamine	621-64-7	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2.1	< 2	< 2	< 2	< 2	< 2	< 2
	n-Nitrosodimethylamine	62-75-9	ug/l	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
	N-Nitrosodiphenylamine	86-30-6	ug/l	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
	Naphthalene	91-20-3	ug/l	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.9	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
	Nitrobenzene	98-95-3	ug/l	< 1.8	< 1.8	< 1.8	< 1.8	< 1.7	< 1.8	< 1.8	< 1.7	< 1.8	< 1.7	< 1.7	< 1.8	< 1.8
	Pentachlorophenol	87-86-5	ug/l	< 3.4	< 3.4	< 3.4	< 3.3	< 3.3	< 3.4	< 3.4	< 3.3	< 3.3	< 3.3	< 3.3	< 3.4	< 3.4
	Phenanthrene	85 01 8	ug/l	< 2	< 2	< 2	< 1.9	< 1.9	< 2	< 2	< 1.9	< 1.9	< 1.9	< 1.9	< 2	< 2
	Phenol	108-95-2	ug/l	< 1.3	< 1.3	< 1.3	48	< 1.2	< 1.3	< 1.3	< 1.2	7	< 1.2	< 1.2	< 1.3	4 J
	Pyrene	129-00-0	ug/l	< 1.9	< 1.9	< 1.9	< 1.9	< 1.8	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
	Pyridine	110-86-1	ug/l	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Volatiles	1,1-Dichloroethane	75-34-3	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	1,1-Dichloroethylene	75-35-4	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	1,1-Dichloropropene	563-58-6	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	1,1,1-Trichloroethane	71-55-6	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	1,1,1,2 Tetrachloroethane	630 20 6	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	1,1,2 Trichloroethane	79 00 5	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	1,1,2,2-Tetrachloroethane	79-34-5	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	1,2-Dibromo-3-chloropropane	96-12-8	ug/l	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
	1,2-Dibromoethane	106-93-4	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	1,2-Dichloroethane	107-06-2	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	1,2-Dichloropropane	78-87-5	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	1,2,3-Trichlorobenzene	87-61-6	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	1,2,3-Trichloropropane	96-18-4	ug/l	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
	1,2,4 Trichlorobenzene	120 82 1	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	1,2,4-Trimethylbenzene	95-63-6	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3

Results are reported as received from the laboratory and are subject to additional QA/QC measures

Non-detections are displayed as the Reporting Limit (RL) preceded by "<"

Sample results with the J qualifier indicate a detection estimated by the laboratory above the Method Detection Limit (MDL) and below the RL

- Detection
- Detection (Lab Estimated)
- Non-Detection

Arkema Harvey Response

Analytical Sampling Results | Drainage Samples

Data recievec as of 9/14/2017 07:30

				9/6													
				Drainage ditch across from building 5	Drainage ditch across street from building 21		Drainage ditch across street from building 27	Drainage ditch at intersection of East Side Dr and Production Point	Drainage ditch east of intersection of MPU Toad and Production Point	Drainage ditch north of Tower Road and Production Point	Drainage ditch on southeast side of intersection of MPU Toad and Production Point	Drainage ditch west of building 27	Drainage ditch west of Lab Lane and Production Point	Drainage ditch west of MPU Road and Production Point	Drainage ditch west of tank 17-T-24 containment	Draining ditch south of building 28
				W001	W007		W008	W009	W011	W015	W012	W006	W014	W013	W016	W005
				CRTX0906W001	CRTX0906W007	CRTX0906W007	CRTX0906W008	CRTX0906W009	CRTX0906W011	CRTX0906W015	CRTX0906W012	CRTX0906W006	CRTX0906W014	CRTX0906W013	CRTX0906W016	CRTX0906W005
Lab Analysis	**Analyte**	**Cas No**	**Result Units**	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage
Volatiles	1,3-Dichloropropane	142-28-9	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	1,3,5-Trimethylbenzene	108-67-8	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	2-Hexanone	591-78-6	ug/l	< 1.2	< 1.2	< 1.2	10 J	< 1.2	< 1.2	< 1.2	< 1.2	5 J	< 1.2	< 1.2	< 1.2	< 1.2
	2,2-Dichloropropane	594-20-7	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	4-Methyl-2-pentanone	108-10-1	ug/l	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
	Acetone	67-64-1	ug/l	106	113	84	252	59	110	145	82	143	53	97	37 J	119
	Benzene	71-43-2	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	2	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Bromobenzene	108-86-1	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Bromochloromethane	74 97 5	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Bromodichloromethane	75-27-4	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Bromoform	75-25-2	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Carbon disulfide	75-15-0	ug/l	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75
	Carbon tetrachloride	56-23-5	ug/l	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
	Chlorobenzene	108-90-7	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Chloroethane	75-00-3	ug/l	< 0.33	1 J	< 0.33	1 J	< 0.33	7	< 0.33	6	1 J	< 0.33	< 0.33	< 0.33	2
	Chloroform	67-66-3	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	cis 1,2 Dichloroethylene	156 59 2	ug/l	1 J	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	2	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	cis-1,3-Dichloropropene	10061-01-5	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Dibromochloromethane	124-48-1	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Dichlorodifluoromethane	75-71-8	ug/l	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51
	Ethane	74-84-0	ug/l	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	5	< 0.65	< 0.65	< 0.65	< 0.65	5	< 0.65	< 0.65
	Ethene	74-85-1	ug/l	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
	Ethylbenzene	100-41-4	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Hexachlorobutadiene	87-68-3	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
	Isopropylbenzene	98-82-8	ug/l	< 0.3	4	4	13	< 0.3	< 0.3	< 0.3	< 0.3	2	< 0.3	1 J	< 0.3	3
	m Dichlurobenzene	541 73 1	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	m,p-Xylene	179601-23-1	ug/l	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
	Methane	74-82-8	ug/l	15	44	44	134	3	9	97	9	101	3	5	3	110
	Methyl bromide	74-83-9	ug/l	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
	Methyl chloride	74-87-3	ug/l	1 J	< 0.3	< 0.3	1 J	< 0.3	< 0.3	< 0.3	1	< 0.3	1 J	2	< 0.3	< 0.3
	Methyl ethyl ketone	78-93-3	ug/l	< 2.6	6 J	3 J	45	< 2.6	4 J	4 J	< 2.6	41	3 J	3 J	3 J	5 J
	Methyl Tert Butyl Ether	1634-04-4	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Methylene bromide	74-95-3	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Methylene chloride	75 09 2	ug/l	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
	n Butylbenzene	104 51 8	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	n-Propylbenzene	103-65-1	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Naphthalene	91-20-3	ug/l	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	o-Chlorotoluene	95-49-8	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	o-Dichlorobenzene	95-50-1	ug/l	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
	o-Xylene	95-47-6	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	p-Chlorotoluene	106-43-4	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	p-Dichlurobenzene	106-46-7	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	p Isopropyltuluene	99 87 6	ug/l	< 0.3	< 0.3	< 0.3	0 J	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	sec-Butylbenzene	135-98-8	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3

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Sample results with the J qualifier indicate a detection estimated by the laboratory above the Method Detection Limit (MDL) and below the RL

- Detection
- Detection (Lab Estimated)
- Non-Detection

Arkema Harvey Response

Analytical Sampling Results | Drainage Samples

Data recievec as of 9/14/2017 07:30

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Lab Analysis	**Analyte**	**Cas No**	**Result Units**	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage	Drainage
Volatiles	Styrene	100-42-5	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	tert-Butylbenzene	98-06-6	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Tetrachloroethylene	127-18-4	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Toluene	108-88-3	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	trans-1,2-Dichloroethylene	156-60-5	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	trans-1,3-Dichloropropene	10061-02-6	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Trichloroethylene	79-01-6	ug/l	0 J	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	1 J	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Trichlorofluoromethane	75-69-4	ug/l	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Vinyl chloride	75 01 4	ug/l	0 J	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
	Xylene (total)	1330-20-7	ug/l	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65

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Non-detections are disp ayed as t'ne Reporting Limit (R.) preceded by "<"
Samp e results with the J qua ifier indicate a detection estimated by the laboratory above t'ne Method Detect on L mit (MDL) and below the RL

- Detection
- Detection (Lab Estimated)
- Non-Detection