3/2/2016

	Average Feedwater Concentration-030216
Feed Flow [gpm]	N/A
Return Flow [gpm]	N/A
Calculated Formation Flow [gpm]	N/A
Analytical Return Concentration [ug/L]	
1,2,4-Trimethylbenzene	860
1,2-Dichloroethane	
1,3,5-Trimethylbenzene	230
Benzene	995
Carbon disulfide	
Chloroform	
cis-1,2-Dichloroethene	
Ethylbenzene	670
Isopropylbenzene	104
Methyl tert-butyl ether	
Methylene Chloride	
m-Xylene & p-Xylene	2300
Naphthalene	320
n-Butylbenzene	60
n-Hexane (TIC)	
N-Propylbenzene	105
o-Xylene	1200
p-Isopropyltoluene	32
Propene	
sec-Butylbenzene	32
tert-Butylbenzene	
Tetrachloroethene	
Toluene	2500
Trichloroethene	
Trichlorofluoromethane	
Vinyl chloride	
Xylenes, Total	3500
Calculated Formation Concentration [ug/L]	
1,2,4-Trimethylbenzene	
1,2-Dichloroethane	
1,3,5-Trimethylbenzene	
Benzene	
Carbon disulfide	
Chloroform	
cis-1,2-Dichloroethene	
Ethylbenzene	
Isopropylbenzene	
Methyl tert-butyl ether	
Methylene Chloride	
m-Xylene & p-Xylene	

9	10
ST012-CZ 07-MPE-Process Water-030216	ST012-CZ 09-MPE-Process Water-030216
9.3	8.1
11.7	10.0
2.4	1.9
940	1000
230	270
870	960
570	630
92	110
2000	2200
480	450
140	120
120	130
1000	1200
60	55
50	60
2200	2500
3000	3400
1250	1597
230	441
386	811
183	459
46	136
838	1774

11	12
ST012-UWBZ 18-MPE-Process Water-030216	ST012-UWBZ 19-MPE-Process Water-030216
9.3	9.1
13.1	14.5
3.8	5.4
590	790
150	200
870	1000
370	580
63	87
1500	2300
190	380
38	45
63	87
760	1100
25	29
24	29
2100	2900
2300	3400
-71	672
-46	149
564	1008
-364	428
-37	58
-458	2300

13	14
ST012-CZ 15-MPE-Process Water-030216	ST012-UWBZ 02-MPE-Process Water-030216
9.9	9.3
12.9	13.2
3.0	3.9
1000	970
290	250
1100	850
1900	620
200	140
3600	1800
420	340
69	51
200	170
1900	1100
44	37
48	39
5400	1700
5500	2900
1462	1232
488	298
1447	504
5959	501
517	226
7890	608

15	16
ST012-UWBZ 04-MPE-Process Water-030216	ST012-UWBZ 05-MPE-Process Water-030216
9.2	8.6
13.7	13.9
4.5	5.3
1000	910
260	220
980	1100
650	850
130	130
2200	2400
380	360
48	43
120	110
1200	1300
38	32
41	31
2300	2900
3400	3700
1286	991
321	204
949	1270
609	1142
183	172
1996	2562

17
ST012-UWBZ 06-MPE-Process Water-030216
9.6
17.5
7.9
830
240
2200
1900
180
3400
290
70
200
1700
34
44
5800
5100
794
252
3664
3395
272
4737

Naphthalene	
n-Butylbenzene	
n-Hexane (TIC)	
N-Propylbenzene	
o-Xylene	
p-Isopropyltoluene	
Propene	
sec-Butylbenzene	
tert-Butylbenzene	
Tetrachloroethene	
Toluene	
Trichloroethene	
Trichlorofluoromethane	
Vinyl chloride	
Xylenes, Total	

1100	1004
452	378
178	237
225	1200
#VALUE!	#VALUE!
#VALUE!	#VALUE!
#VALUE!	#VALUE!
1063	2974

-128	481
-15	21
-40	57
-317	931
#VALUE!	#VALUE!
#VALUE!	#VALUE!
#VALUE!	#VALUE!
-637	3231

750	388
100	31
514	325
4210	862
#VALUE!	#VALUE!
#VALUE!	#VALUE!
#VALUE!	#VALUE!
12100	1469

503	425
24	16
151	118
1200	1462
#VALUE!	#VALUE!
#VALUE!	#VALUE!
#VALUE!	#VALUE!
3196	4025

254
83
315
2308
#VALUE!
#VALUE!
#VALUE!
7044

Cell: K4
Comment: Nikole Stone:
based on calculated flow numbers in M&E

3/3/2016

	Average Feedwater Concentration-030216
Feed Flow [gpm]	N/A
Return Flow [gpm]	N/A
Calculated Formation Flow [gpm]	N/A
Analytical Return Concentration [ug/L]	
1,2,4-Trimethylbenzene	983
1,2-Dichloroethane	
1,3,5-Trimethylbenzene	257
Benzene	1233
Carbon disulfide	
Chloroform	
cis-1,2-Dichloroethene	
Ethylbenzene	743
Isopropylbenzene	117
Methyl tert-butyl ether	
Methylene Chloride	
m-Xylene & p-Xylene	2433
Naphthalene	357
n-Butylbenzene	57
n-Hexane (TIC)	
N-Propylbenzene	117
o-Xylene	1300
p-Isopropyltoluene	39
Propene	
sec-Butylbenzene	36
tert-Butylbenzene	
Tetrachloroethene	
Toluene	2933
Trichloroethene	
Trichlorofluoromethane	
Vinyl chloride	
Xylenes, Total	3733
Calculated Formation Concentration [ug/L]	
1,2,4-Trimethylbenzene	
1,2-Dichloroethane	
1,3,5-Trimethylbenzene	
Benzene	
Carbon disulfide	
Chloroform	
cis-1,2-Dichloroethene	
Ethylbenzene	
Isopropylbenzene	
Methyl tert-butyl ether	
Methylene Chloride	
m-Xylene & p-Xylene	

10	11
ST012-CZ 10-MPE-Process Water-030316	ST012-CZ 12-MPE-Process Water-030316
9.1	11.4
13.8	12.4
4.7	1.0
580	930
150	250
1300	1400
640	1300
89	160
2100	3700
210	350
39	53
77	150
990	1800
20	27
23	30
3900	4500
3100	5500
-201	322
-57	174
1429	3300
440	7646
35	654
1455	18140

12	13
ST012-CZ 13-MPE-Process Water-030316	ST012-UWBZ 010-MPE-Process Water-030316
8.9	9
10.2	14.3
1.3	5.3
1100	900
320	220
990	1900
1500	950
220	130
3800	2700
290	350
60	47
250	140
1900	1300
36	27
47	34
2500	4800
5700	4000
1899	758
754	158
-676	3032
6680	1301
927	153
13156	3153

14	15
ST012-UWBZ 17-MPE-Process Water-030316	ST012-UWBZ 21-MPE-Process Water-030316
10.3	10.5
13.3	12.6
3.0	2.1
1000	1900
240	440
2600	5100
1100	2600
120	220
3500	5200
410	770
40	440
120	280
1700	2200
26	170
29	140
6400	14000
5200	7400
1057	6483
183	1357
7292	24433
2325	11883
131	737
7162	19033

16	17
ST012-UWBZ 23-MPE-Process Water-030316	ST012-CZ 14-MPE-Process Water-030316
10.3	10.5
13.4	11.3
3.1	0.8
950	840
230	220
1100	1100
1500	580
180	110
3200	2300
340	270
43	39
180	88
1700	1300
32	31
33	29
2800	2400
4900	3600
839	-1041
141	-261
657	-650
4014	-1564
390	23
5747	550

18	19
ST012-CZ 16-MPE-Process Water-030316	ST012-CZ 20-MPE-Process Water-030316
11.8	8.6
12.6	12.1
0.8	3.5
530	390
130	120
1100	2700
380	1400
62	90
1400	2700
250	120
27	
53	76
890	1200
22	
20	
2100	7700
2300	3900
-6157	-1068
-1738	-216
-867	6304
-4979	3014
-744	24
-13842	3355

20	21
ST012-UWBZ 27-MPE-Process Water-030316	ST012-UWBZ 01-MPE-Process Water-030316
6.4	9.1
11.5	16.4
5.1	7.3
960	470
280	120
3000	840
930	300
120	55
3400	1000
260	280
40	42
110	60
1600	650
34	22
31	24
5300	1500
5000	1700
931	-170
309	-50
5217	350
1164	-253
124	-22
4613	-787

Naphthalene	
n-Butylbenzene	
n-Hexane (TIC)	
N-Propylbenzene	
o-Xylene	
p-Isopropyltoluene	
Propene	
sec-Butylbenzene	
tert-Butylbenzene	
Tetrachloroethene	
Toluene	
Trichloroethene	
Trichlorofluoromethane	
Vinyl chloride	
Xylenes, Total	

-74	274
4	7
0	530
390	7500
#VALUE!	#VALUE!
#VALUE!	#VALUE!
#VALUE!	#VALUE!
1874	25640

-166	339
81	30
1163	180
6008	1300
#VALUE!	#VALUE!
#VALUE!	#VALUE!
#VALUE!	#VALUE!
19164	4453

593	2837
-18	2355
131	1097
3073	6700
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#VALUE!	#VALUE!
#VALUE!	#VALUE!
10236	25733

285	-867
-4	-197
390	-288
3029	1300
#VALUE!	#VALUE!
#VALUE!	#VALUE!
#VALUE!	#VALUE!
8776	1850

-1323	-462
-416	#VALUE!
-886	-24
-5158	954
#VALUE!	#VALUE!
#VALUE!	#VALUE!
#VALUE!	#VALUE!
-18842	4310

139	184
19	23
102	-11
1976	-160
#VALUE!	#VALUE!
#VALUE!	#VALUE!
#VALUE!	#VALUE!
6590	-835

3/4/2016

	Average Feedwater Concentration-030216
Feed Flow [gpm]	N/A
Return Flow [gpm]	N/A
Calculated Formation Flow [gpm]	N/A
Analytical Return Concentration [ug/L]	
1,2,4-Trimethylbenzene	1015
1,2-Dichloroethane	
1,3,5-Trimethylbenzene	290
Benzene	1100
Carbon disulfide	
Chloroform	
cis-1,2-Dichloroethene	
Ethylbenzene	825
Isopropylbenzene	140
Methyl tert-butyl ether	
Methylene Chloride	
m-Xylene & p-Xylene	2550
Naphthalene	365
n-Butylbenzene	63
n-Hexane (TIC)	
N-Propylbenzene	145
o-Xylene	1350
p-Isopropyltoluene	45
Propene	
sec-Butylbenzene	46
tert-Butylbenzene	
Tetrachloroethene	
Toluene	2800
Trichloroethene	
Trichlorofluoromethane	
Vinyl chloride	
Xylenes, Total	3900
Calculated Formation Concentration [ug/L]	
1,2,4-Trimethylbenzene	
1,2-Dichloroethane	
1,3,5-Trimethylbenzene	
Benzene	
Carbon disulfide	
Chloroform	
cis-1,2-Dichloroethene	
Ethylbenzene	
Isopropylbenzene	
Methyl tert-butyl ether	
Methylene Chloride	
m-Xylene & p-Xylene	

9	10
ST012-UWBZ 22-MPE-Process Water-030416	ST012-CZ 17-MPE-Process Water-030416
9.2	9.5
11.6	13.9
2.4	4.4
910	12000
250	3200
1800	10000
1600	13000
180	1800
3400	34000
210	3200
48	560
180	1900
1500	18000
33	430
34	440
6200	34000
4900	52000
508	35718
97	9483
4483	29216
4571	39287
333	5384
6658	101903

11	12
ST012-CZ 18-MPE-Process Water-030416	ST012-CZ 19-MPE-Process Water-030416
8.3	9.8
10.8	13.0
2.5	3.2
1100	1100
290	290
2200	1700
1000	1100
140	150
3200	3000
380	350
66	71
120	140
1700	1500
47	48
44	47
5200	4100
4900	4500
1382	1360
290	290
5852	3538
1581	1942
140	181
5358	4378

13	14
ST012-UWBZ 24-MPE-Process Water-030416	ST012-UWBZ 26-MPE-Process Water-030416
9.2	8.3
11.5	12.7
2.3	4.4
1000	720
300	210
1600	5100
2300	1200
200	120
5000	2900
400	240
80	47
190	120
2500	1600
42	32
40	31
8000	7000
7500	4500
940	164
340	59
3600	12645
8200	1907
440	82
14800	3560

Naphthalene	
n-Butylbenzene	
n-Hexane (TIC)	
N-Propylbenzene	
o-Xylene	
p-Isopropyltoluene	
Propene	
sec-Butylbenzene	
tert-Butylbenzene	
Tetrachloroethene	
Toluene	
Trichloroethene	
Trichlorofluoromethane	
Vinyl chloride	
Xylenes, Total	

-384	9321
-9	1633
314	5689
2075	53949
#VALUE!	#VALUE!
#VALUE!	#VALUE!
#VALUE!	#VALUE!
8733	155852

430	304
76	96
37	125
2862	1959
#VALUE!	#VALUE!
#VALUE!	#VALUE!
#VALUE!	#VALUE!
8220	6338

540	4
148	17
370	73
7100	2072
#VALUE!	#VALUE!
#VALUE!	#VALUE!
#VALUE!	#VALUE!
21900	5632

Analyte	CAS Number	Units	Specific Method	Reports To	Basis
1,2,4-Trimethylbenzene	95-63-6	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
1,2-Dichloroethane	107-06-2	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
1,3,5-Trimethylbenzene	108-67-8	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Benzene	71-43-2	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Carbon disulfide	75-15-0	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Chloroform	67-66-3	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
cis-1,2-Dichloroethene	156-59-2	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Ethylbenzene	100-41-4	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Isopropylbenzene	98-82-8	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Methyl tert-butyl ether	1634-04-4	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Methylene Chloride	75-09-2	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
m-Xylene & p-Xylene	179601-23-1	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Naphthalene	91-20-3	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
n-Butylbenzene	104-51-8	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
n-Hexane (TIC)	110-54-3	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
N-Propylbenzene	103-65-1	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
o-Xylene	95-47-6	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
p-Isopropyltoluene	99-87-6	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Propene	115-07-1	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
sec-Butylbenzene	135-98-8	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
tert-Butylbenzene	98-06-6	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Tetrachloroethene	127-18-4	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Toluene	108-88-3	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Trichloroethene	79-01-6	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Trichlorofluoromethane	75-69-4	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Vinyl chloride	75-01-4	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Xylenes, Total	1330-20-7	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
1	2	3	4	5	6

550-59766-1 ST012-FW START-MPE-Process Water-030216 3/2/2016 8:55 AM	550-59766-2 ST012-FW END-MPE-Process Water-030216 3/2/2016 2:00 PM	550-59766-3 ST012-CZ 07-MPE-Process Water-030216 3/2/2016 9:25 AM	550-59766-4 ST012-CZ 09-MPE-Process Water-030216 3/2/2016 10:57 AM
850	870	940	1000
220	240	230	270
990	1000	870	960
600	740	570	630
98	110	92	110
2100	2500	2000	2200
280	360	480	450
57	62	140	120
100	110	120	130
1100	1300	1000	1200
30	33	60	55
32	32	50	60
2400	2600	2200	2500
3200	3800	3000	3400
7	8	9	10

550-59766-21 ST012-UWBZ 18-MPE-Process Water-030216 3/2/2016 9:45 AM	550-59766-22 ST012-UWBZ 19-MPE-Process Water-030216 3/2/2016 11:14 AM	550-59766-9 ST012-CZ 15-MPE-Process Water-030216 3/2/2016 10:38 AM
590	**790**	**1000**
150	**200**	**290**
870	**1000**	**1100**
370	**580**	**1900**
63	**87**	**200**
1500	**2300**	**3600**
190	**380**	**420**
38	45	**69**
63	**87**	**200**
760	**1100**	**1900**
25	29	44
24	29	48
2100	**2900**	**5400**
2300	**3400**	**5500**
11	12	13

550-59766-15 ST012-UWBZ 02-MPE-Process Water-030216 3/2/2016 11:29 AM	550-59766-16 ST012-UWBZ 04-MPE-Process Water-030216 3/2/2016 10:06 AM
970	**1000**
250	**260**
850	**980**
620	**650**
140	**130**
1800	**2200**
340	**380**
51	48
170	**120**
1100	**1200**
37	38
39	41
1700	**2300**
2900	**3400**
14	15

550-59766-17 ST012-UWBZ 05-MPE-Process Water-030216 3/2/2016 10:24 AM	550-59766-18 ST012-UWBZ 06-MPE-Process Water-030216 3/2/2016 11:47 AM	Average Feed Water Concentration 3/2/2016
910	**830**	860
		#DIV/0!
220	**240**	230
1100	**2200**	995
		#DIV/0!
		#DIV/0!
		#DIV/0!
850	**1900**	670
130	**180**	104
		#DIV/0!
		#DIV/0!
2400	**3400**	2300
360	**290**	320
43	**70**	60
		#DIV/0!
110	**200**	105
1300	**1700**	1200
32	34	32
		#DIV/0!
31	44	32
		#DIV/0!
		#DIV/0!
2900	**5800**	2500
		#DIV/0!
		#DIV/0!
		#DIV/0!
3700	**5100**	3500
16		

Analyte	CAS Number	Units	Specific Method	Reports To	Basis
1,2,4-Trimethylbenzene	95-63-6	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
1,2-Dichloroethane	107-06-2	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
1,3,5-Trimethylbenzene	108-67-8	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Benzene	71-43-2	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Carbon disulfide	75-15-0	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Chloroform	67-66-3	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
cis-1,2-Dichloroethene	156-59-2	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Ethylbenzene	100-41-4	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Isopropylbenzene	98-82-8	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Methyl tert-butyl ether	1634-04-4	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Methylene Chloride	75-09-2	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
m-Xylene & p-Xylene	179601-23-1	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Naphthalene	91-20-3	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
n-Butylbenzene	104-51-8	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
n-Hexane (TIC)	110-54-3	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
N-Propylbenzene	103-65-1	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
o-Xylene	95-47-6	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
p-Isopropyltoluene	99-87-6	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Propene	115-07-1	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
sec-Butylbenzene	135-98-8	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
tert-Butylbenzene	98-06-6	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Tetrachloroethene	127-18-4	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Toluene	108-88-3	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Trichloroethene	79-01-6	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Trichlorofluoromethane	75-69-4	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Vinyl chloride	75-01-4	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Xylenes, Total	1330-20-7	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
1	2	3	4	5	6

550-59766-30 ST012-FW START-MPE-Process Water-030316 3/3/2016 8:15 AM	550-59766-31 ST012-FW MIDDLE-MPE-Process Water-030316 3/3/2016 12:30 PM	550-59766-32 ST012-FW END-MPE-Process Water-030316 3/3/2016 2:30 PM	550-59766-5 ST012-CZ 10-MPE-Process Water-030316 3/3/2016 1:12 PM
960	**990**	**1000**	**580**
240	**260**	**270**	**150**
1300	**1200**	**1200**	**1300**
760	**720**	**750**	**640**
120	**110**	**120**	**89**
2500	**2400**	**2400**	**2100**
320	**360**	**390**	**210**
46	47	**78**	**39**
110	**110**	**130**	**77**
1300	**1300**	**1300**	**990**
33	35	48	20
31	34	44	23
2900	**2900**	**3000**	**3900**
3800	**3700**	**3700**	**3100**
7	8	9	10

550-59766-6 ST012-CZ 12-MPE-Process Water-030316 3/3/2016 8:30 AM	550-59766-7 ST012-CZ 13-MPE-Process Water-030316 3/3/2016 12:43 PM	550-59766-19 ST012-UWBZ 010-MPE-Process Water-030316 3/3/2016 1:00 PM	550-59766-20 ST012-UWBZ 17-MPE-Process Water-030316 3/3/2016 1:30 PM
930	1100	900	1000
250	320	220	240
1400	990	1900	2600
1300	1500	950	1100
160	220	130	120
3700	3800	2700	3500
350	290	350	410
53	60	47	40
150	250	140	120
1800	1900	1300	1700
27	36	27	26
30	47	34	29
4500	2500	4800	6400
5500	5700	4000	5200
11	12	13	14

550-59766-23 ST012-UWBZ 21-MPE-Process Water-030316 3/3/2016 9:48 AM	550-59766-29 ST012-UWBZ 23-MPE-Process Water-030316 3/3/2016 10:04 AM	550-59766-8 ST012-CZ 14-MPE-Process Water-030316 3/3/2016 8:46 AM	550-59766-10 ST012-CZ 16-MPE-Process Water-030316 3/3/2016 9:30 AM	550-59766-14 ST012-CZ 20-MPE-Process Water-030316 3/3/2016 2:13 PM
1900	950	840	530	390
440	230	220	130	120
5100	1100	1100	1100	2700
2600	1500	580	380	1400
220	180	110	62	90
5200	3200	2300	1400	2700
770	340	270	250	120
440	43	39	27	
280	180	88	53	76
2200	1700	1300	890	1200
170	32	31	22	
140	33	29	20	
14000	2800	2400	2100	7700
7400	4900	3600	2300	3900
15	16	17	18	19

550-59766-27 ST012-UWBZ 27-MPE-Process Water-030316 3/3/2016 1:57 PM	550-59766-28 ST012-UWBZ 01-MPE-Process Water-030316 3/3/2016 9:05 AM	Average Feed Water Concentration 3/3/2016
960	470	983
		#DIV/0!
280	120	257
3000	840	1233
		#DIV/0!
		#DIV/0!
		#DIV/0!
930	300	743
120	55	117
		#DIV/0!
		#DIV/0!
3400	1000	2433
260	280	357
40	42	57
		#DIV/0!
110	60	117
1600	650	1300
34	22	39
		#DIV/0!
31	24	36
		#DIV/0!
		#DIV/0!
5300	1500	2933
		#DIV/0!
		#DIV/0!
		#DIV/0!
5000	1700	3733
20	21	

Analyte	CAS Number	Units	Specific Method	Reports To	Basis
1,2,4-Trimethylbenzene	95-63-6	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
1,2-Dichloroethane	107-06-2	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
1,3,5-Trimethylbenzene	108-67-8	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Benzene	71-43-2	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Carbon disulfide	75-15-0	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Chloroform	67-66-3	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
cis-1,2-Dichloroethene	156-59-2	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Ethylbenzene	100-41-4	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Isopropylbenzene	98-82-8	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Methyl tert-butyl ether	1634-04-4	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Methylene Chloride	75-09-2	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
m-Xylene & p-Xylene	179601-23-1	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Naphthalene	91-20-3	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
n-Butylbenzene	104-51-8	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
n-Hexane (TIC)	110-54-3	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
N-Propylbenzene	103-65-1	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
o-Xylene	95-47-6	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
p-Isopropyltoluene	99-87-6	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Propene	115-07-1	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
sec-Butylbenzene	135-98-8	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
tert-Butylbenzene	98-06-6	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Tetrachloroethene	127-18-4	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Toluene	108-88-3	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
Trichloroethene	79-01-6	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Trichlorofluoromethane	75-69-4	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Vinyl chloride	75-01-4	ug/L	Volatile Organic Compounds (GC/MS)	MDL	Total
Xylenes, Total	1330-20-7	ug/L	Volatile Organic Compounds (GC/MS)	MRL	Total
1	2	3	4	5	6

550-59766-33 ST012-FW START-MPE-Process Water-030416 3/4/2016 7:40 AM	550-59766-34 ST012-FW END-MPE-Process Water-030416 3/4/2016 9:35 AM	550-59766-24 ST012-UWBZ 22-MPE-Process Water-030416 3/4/2016 9:30 AM	550-59766-11 ST012-CZ 17-MPE-Process Water-030416 3/4/2016 9:18 AM
1100	930	910	12000
330	250	250	3200
1100	1100	1800	10000
840	810	1600	13000
150	130	180	1800
2600	2500	3400	34000
390	340	210	3200
84	42	48	560
160	130	180	1900
1400	1300	1500	18000
57	32	33	430
56	36	34	440
2800	2800	6200	34000
4000	3800	4900	52000
7	8	9	10

550-59766-12 ST012-CZ 18-MPE-Process Water-030416 3/4/2016 8:30 AM	550-59766-13 ST012-CZ 19-MPE-Process Water-030416 3/4/2016 8:58 AM	550-59766-25 ST012-UWBZ 24-MPE-Process Water-030416 3/4/2016 8:45 AM	550-59766-26 ST012-UWBZ 26-MPE-Process Water-030416 3/4/2016 8:13 AM
1100	1100	1000	720
290	290	300	210
2200	1700	1600	5100
1000	1100	2300	1200
140	150	200	120
3200	3000	5000	2900
380	350	400	240
66	71	80	47
120	140	190	120
1700	1500	2500	1600
47	48	42	32
44	47	40	31
5200	4100	8000	7000
4900	4500	7500	4500
11	12	13	14

Average Feed Water Concentration
3/4/2016
1015
#DIV/0!
290
1100
#DIV/0!
#DIV/0!
#DIV/0!
825
140
#DIV/0!
#DIV/0!
2550
365
63
#DIV/0!
145
1350
45
#DIV/0!
46
#DIV/0!
#DIV/0!
2800
#DIV/0!
#DIV/0!
#DIV/0!
3900