

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006457.D
 Acq On : 12 Dec 2018 20:39
 Operator : JC/MD
 Sample : J6358-11MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-SW4002-20181211MS

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 11:05:11 AM

Quant Time: Dec 13 10:02:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	552161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	864939	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	796864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	404825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	300425	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
35) Dibromofluoromethane	5.50	113	283205	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	8.71	98	1033100	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.14	95	389242	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	277118	51.257	ug/l	100
3) Chloromethane	1.33	50	284019	51.121	ug/l	97
4) Vinyl Chloride	1.41	62	315404	52.748	ug/l	97
5) Bromomethane	1.64	94	284808	68.728	ug/l	97
6) Chloroethane	1.71	64	197028	53.741	ug/l	97
7) Trichlorofluoromethane	1.93	101	498748	54.338	ug/l	100
8) Diethyl Ether	2.19	74	192205	55.330	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	285880	54.775	ug/l	98
10) Methyl Iodide	2.51	142	466417	59.299	ug/l	98
11) Tert butyl alcohol	3.08	59	382578	248.185	ug/l	100
12) 1,1-Dichloroethene	2.37	96	273497	54.740	ug/l	95
13) Acrolein	2.29	56	195301	231.803	ug/l	99
14) Allyl chloride	2.73	41	468469	47.465	ug/l	98
15) Acrylonitrile	3.15	53	847705m	263.529	ug/l	
16) Acetone	2.45	43	679461	256.860	ug/l	100
17) Carbon Disulfide	2.57	76	755954	49.101	ug/l	100
18) Methyl Acetate	2.78	43	424142	47.946	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	948964	53.242	ug/l	98
20) Methylene Chloride	2.85	84	308344	54.770	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	295428	55.486	ug/l	93
22) Diisopropyl ether	3.87	45	844218	54.762	ug/l	99
23) Vinyl Acetate	3.82	43	3287846	250.054	ug/l	99
24) 1,1-Dichloroethane	3.70	63	485943	55.149	ug/l	99
25) 2-Butanone	4.70	43	1017502	269.580	ug/l	96
26) 2,2-Dichloropropane	4.58	77	355832	43.757	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	338755	57.039	ug/l	97
28) Bromochloromethane	5.02	49	199526	51.842	ug/l	99
29) Tetrahydrofuran	5.15	42	697174	265.772	ug/l	97
30) Chloroform	5.21	83	523728	56.560	ug/l	99
31) Cyclohexane	5.57	56	444315	54.563	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	473107	53.699	ug/l	100
36) 1,1-Dichloropropene	5.80	75	386641	53.083	ug/l	100
37) Ethyl Acetate	4.85	43	379600	46.538	ug/l	98
38) Carbon Tetrachloride	5.78	117	421378	49.177	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006457.D
 Acq On : 12 Dec 2018 20:39
 Operator : JC/MD
 Sample : J6358-11MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-SW4002-20181211MS

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 11:05:11 AM

Quant Time: Dec 13 10:02:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	496954	52.563	ug/l	98
40) Benzene	6.14	78	1187083	54.415	ug/l	100
41) Methacrylonitrile	5.06	41	219499	48.905	ug/l	98
42) 1,2-Dichloroethane	6.20	62	391692	54.861	ug/l	100
43) Isopropyl Acetate	6.46	43	640423	47.091	ug/l	99
44) Trichloroethene	7.21	130	346015	52.357	ug/l	94
45) 1,2-Dichloropropane	7.52	63	289620	52.236	ug/l	97
46) Dibromomethane	7.66	93	214374	53.536	ug/l	96
47) Bromodichloromethane	7.90	83	384030	49.524	ug/l	99
48) Methyl methacrylate	7.77	41	331350	50.083	ug/l	98
49) 1,4-Dioxane	7.75	88	167096	1024.732	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1997302	252.281	ug/l	98
52) Toluene	8.79	92	788058	54.909	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	419159	46.220	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	457119	48.542	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	319946	54.873	ug/l	99
56) Ethyl methacrylate	9.18	69	471975	51.779	ug/l	98
57) 1,3-Dichloropropane	9.37	76	503250	54.582	ug/l	100
59) 2-Hexanone	9.49	43	1495229	247.203	ug/l	98
60) Dibromochloromethane	9.59	129	345022	47.988	ug/l	100
61) 1,2-Dibromoethane	9.67	107	347486	53.299	ug/l	99
64) Tetrachloroethene	9.34	164	310454	51.733	ug/l	99
65) Chlorobenzene	10.14	112	916459	54.178	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	329283	50.101	ug/l	99
67) Ethyl Benzene	10.25	91	1507047	53.567	ug/l	100
68) m/p-Xylenes	10.36	106	1204098	106.844	ug/l	99
69) o-Xylene	10.70	106	590191	53.018	ug/l	99
70) Stvrene	10.71	104	949917	52.761	ug/l	99
71) Bromoform	10.86	173	266371	42.934	ug/l #	99
73) Isopropylbenzene	11.02	105	1560285	55.811	ug/l	100
74) N-amyl acetate	10.90	43	542517	45.064	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	469112	52.450	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	433893m	55.529	ug/l	
77) Bromobenzene	11.26	156	420674	54.221	ug/l	100
78) n-propylbenzene	11.36	91	1708440	54.975	ug/l	100
79) 2-Chlorotoluene	11.42	91	1001949	54.245	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1280963	55.070	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	136224	40.912	ug/l	88
82) 4-Chlorotoluene	11.51	91	1153574	53.717	ug/l	100
83) tert-Butylbenzene	11.77	119	1341382	54.048	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1314408	54.724	ug/l	100
85) sec-Butylbenzene	11.94	105	1560019	55.253	ug/l	100
86) p-Isopropyltoluene	12.07	119	1387690	54.582	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	748222	54.199	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	740129	52.821	ug/l	100
89) n-Butylbenzene	12.39	91	1158352	53.398	ug/l	99
90) Hexachloroethane	12.60	117	240471	46.408	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	733101	53.507	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	103052	44.948	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	513995	51.421	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
Data File : VX006457.D
Acq On : 12 Dec 2018 20:39
Operator : JC/MD
Sample : J6358-11MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-SW4002-20181211MS

Manual Integrations
APPROVED

MMDadoda
12/13/2018 11:05:11 AM

Quant Time: Dec 13 10:02:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	226732	51.290	ug/l	99
95) Naphthalene	13.83	128	1664562	53.534	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	514186	51.935	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

