

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006660.D
 Acq On : 20 Dec 2018 01:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 10:00:55 AM

Quant Time: Dec 20 05:05:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	593064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	913409	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	845673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	437427	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	296273	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
35) Dibromofluoromethane	5.50	113	269148	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
50) Toluene-d8	8.71	98	1026254	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
62) 4-Bromofluorobenzene	11.13	95	382243	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	252204	46.485	ug/l	99
3) Chloromethane	1.33	50	285212	48.795	ug/l	99
4) Vinyl Chloride	1.41	62	300055	49.151	ug/l	96
5) Bromomethane	1.64	94	299322	52.642	ug/l	97
6) Chloroethane	1.72	64	193133	45.690	ug/l	96
7) Trichlorofluoromethane	1.93	101	465858	48.946	ug/l	98
8) Diethyl Ether	2.19	74	179613	47.512	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	264641	47.356	ug/l	99
10) Methyl Iodide	2.51	142	433225	54.157	ug/l	100
11) Tert butyl alcohol	3.07	59	362307	253.988	ug/l	100
12) 1,1-Dichloroethene	2.37	96	262421	49.524	ug/l	98
13) Acrolein	2.29	56	211358	219.637	ug/l	99
14) Allyl chloride	2.73	41	436277	48.914	ug/l	99
15) Acrylonitrile	3.15	53	811229	256.133	ug/l	100
16) Acetone	2.45	43	655791	223.317	ug/l	98
17) Carbon Disulfide	2.57	76	644249	45.943	ug/l	99
18) Methyl Acetate	2.78	43	451760	52.318	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	898027	51.062	ug/l	99
20) Methylene Chloride	2.86	84	289241	47.632	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	278421	47.422	ug/l	100
22) Diisopropyl ether	3.87	45	833625	51.089	ug/l	92
23) Vinyl Acetate	3.82	43	3396665	254.490	ug/l	100
24) 1,1-Dichloroethane	3.70	63	472458	48.504	ug/l	99
25) 2-Butanone	4.70	43	1007174	243.828	ug/l	100
26) 2,2-Dichloropropane	4.59	77	302083	40.148	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	318728	49.204	ug/l	98
28) Bromochloromethane	5.02	49	218514	53.341	ug/l	99
29) Tetrahydrofuran	5.15	42	687323	252.637	ug/l	99
30) Chloroform	5.21	83	503038	49.870	ug/l	99
31) Cyclohexane	5.57	56	420749	47.547	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	429693	50.450	ug/l	99
36) 1,1-Dichloropropene	5.80	75	372039	49.178	ug/l	100
37) Ethyl Acetate	4.85	43	389835	49.510	ug/l	99
38) Carbon Tetrachloride	5.78	117	368432	50.112	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006660.D
 Acq On : 20 Dec 2018 01:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 10:00:55 AM

Quant Time: Dec 20 05:05:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	460665	46.253	ug/l	97
40) Benzene	6.14	78	1138142	49.494	ug/l	98
41) Methacrylonitrile	5.06	41	216957	51.898	ug/l	98
42) 1,2-Dichloroethane	6.20	62	378606	48.317	ug/l	100
43) Isopropyl Acetate	6.46	43	634976	53.001	ug/l	99
44) Trichloroethene	7.21	130	339959	48.845	ug/l	97
45) 1,2-Dichloropropane	7.51	63	282308	50.449	ug/l	100
46) Dibromomethane	7.66	93	202681	49.241	ug/l	98
47) Bromodichloromethane	7.90	83	348469	50.993	ug/l	98
48) Methyl methacrylate	7.77	41	328830	53.973	ug/l	99
49) 1,4-Dioxane	7.75	88	166194	1043.449	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2041325	267.790	ug/l	99
52) Toluene	8.79	92	753759	50.737	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	375781	51.273	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	422921	52.590	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	308222	50.687	ug/l	97
56) Ethyl methacrylate	9.18	69	459325	53.444	ug/l	99
57) 1,3-Dichloropropane	9.37	76	489976	50.082	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1185245	259.436	ug/l	100
59) 2-Hexanone	9.49	43	1528732	262.111	ug/l	100
60) Dibromochloromethane	9.58	129	305669	48.152	ug/l	98
61) 1,2-Dibromoethane	9.67	107	333642	51.614	ug/l	100
64) Tetrachloroethene	9.34	164	333529	49.807	ug/l	98
65) Chlorobenzene	10.14	112	876043	48.966	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	298938	53.555	ug/l	99
67) Ethyl Benzene	10.25	91	1456216	49.811	ug/l	100
68) m/p-Xylenes	10.36	106	1165935	101.069	ug/l	98
69) o-Xylene	10.70	106	566414	49.722	ug/l	97
70) Styrene	10.71	104	925238	51.339	ug/l	100
71) Bromoform	10.86	173	224003	44.981	ug/l	99
73) Isopropylbenzene	11.02	105	1504757	50.284	ug/l	100
74) N-amyl acetate	10.90	43	580346	54.180	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	456337	51.275	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	422712m	51.999	ug/l	
77) Bromobenzene	11.26	156	409288	50.589	ug/l	99
78) n-propylbenzene	11.36	91	1670871	50.704	ug/l	100
79) 2-Chlorotoluene	11.42	91	990570	49.602	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1244329	50.483	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	110584	42.127	ug/l	97
82) 4-Chlorotoluene	11.51	91	1154107	50.382	ug/l	100
83) tert-Butylbenzene	11.77	119	1241812	50.339	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1277637	49.280	ug/l	99
85) sec-Butylbenzene	11.94	105	1524721	50.411	ug/l	100
86) p-Isopropyltoluene	12.06	119	1363441	51.282	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	724917	49.717	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	723969	48.434	ug/l	100
89) n-Butylbenzene	12.39	91	1148254	50.747	ug/l	99
90) Hexachloroethane	12.60	117	200315	48.263	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	717304	49.178	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	92928	50.463	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121918\
Data File : VX006660.D
Acq On : 20 Dec 2018 01:37
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:55 AM

Quant Time: Dec 20 05:05:49 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	505905	50.282	ug/l	99
94) Hexachlorobutadiene	13.78	225	223508	47.130	ug/l	100
95) Naphthalene	13.83	128	1601501	49.872	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	510257	49.119	ug/l	98

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006660.D
 Acq On : 20 Dec 2018 01:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 10:00:55 AM

Quant Time: Dec 20 05:05:49 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

