

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081318\
 Data File : VX003991.D
 Acq On : 13 Aug 2018 10:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/14/2018 12:55:30 PM

Quant Time: Aug 14 03:36:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 13 01:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	329835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	478367	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	462689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	289826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	216724	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	5.50	113	177678	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	8.71	98	689180	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
62) 4-Bromofluorobenzene	11.13	95	258139	56.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	158653	47.46	ug/l	99
3) Chloromethane	1.32	50	175276	38.54	ug/l	98
4) Vinyl Chloride	1.40	62	197541	43.56	ug/l	99
5) Bromomethane	1.64	94	92619	32.06	ug/l	100
6) Chloroethane	1.72	64	146589	50.52	ug/l	95
7) Trichlorofluoromethane	1.93	101	280699	46.88	ug/l	99
8) Diethyl Ether	2.18	74	129314	48.04	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	178831	47.78	ug/l	99
10) Methyl Iodide	2.51	142	140106	30.09	ug/l	99
11) Tert butyl alcohol	3.04	59	230147	219.05	ug/l	99
12) 1,1-Dichloroethene	2.37	96	162722	45.96	ug/l	97
13) Acrolein	2.29	56	155988	269.35	ug/l	98
14) Allyl chloride	2.73	41	316004	46.31	ug/l	97
15) Acrylonitrile	3.14	53	589849	235.28	ug/l	99
16) Acetone	2.43	43	614360	236.19	ug/l	99
17) Carbon Disulfide	2.57	76	434844	40.26	ug/l	100
18) Methyl Acetate	2.77	43	285910	50.48	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	639707	50.99	ug/l	100
20) Methylene Chloride	2.86	84	197011	31.24	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	183302	45.61	ug/l	99
22) Diisopropyl ether	3.86	45	673192	53.67	ug/l	95
23) Vinyl Acetate	3.82	43	2849500	273.00	ug/l	99
24) 1,1-Dichloroethane	3.70	63	360414	48.37	ug/l	100
25) 2-Butanone	4.69	43	977604	249.97	ug/l	100
26) 2,2-Dichloropropane	4.58	77	281212	52.33	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	213285	48.91	ug/l	99
28) Bromochloromethane	5.02	49	154574	48.47	ug/l	98
29) Tetrahydrofuran	5.15	42	486204	241.88	ug/l	98
30) Chloroform	5.21	83	347060	49.47	ug/l	99
31) Cyclohexane	5.57	56	297192	47.16	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	296137	50.34	ug/l	99
36) 1,1-Dichloropropene	5.79	75	258377	48.22	ug/l	100
37) Ethyl Acetate	4.85	43	292832	49.69	ug/l	99
38) Carbon Tetrachloride	5.78	117	258615	50.71	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	312348	49.45	ug/l	99
40) Benzene	6.14	78	796167	49.49	ug/l	98
41) Methacrylonitrile	5.06	41	162727	50.13	ug/l	99
42) 1,2-Dichloroethane	6.20	62	282519	51.93	ug/l	99
43) Isopropyl Acetate	6.46	43	465507	52.49	ug/l	100
44) Trichloroethene	7.21	130	213921	48.62	ug/l	95
45) 1,2-Dichloropropane	7.51	63	211772	50.97	ug/l	99
46) Dibromomethane	7.66	93	138429	51.32	ug/l	99
47) Bromodichloromethane	7.90	83	271023	53.34	ug/l	99
48) Methyl methacrylate	7.77	41	240896	53.43	ug/l	99
49) 1,4-Dioxane	7.76	88	99359	935.55	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1945528	264.65	ug/l	100
52) Toluene	8.79	92	516474	50.81	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	312538	54.42	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	334446	54.01	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	216772	52.18	ug/l	99
56) Ethyl methacrylate	9.18	69	327598	54.36	ug/l	99
57) 1,3-Dichloropropane	9.37	76	364473	52.43	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	761609	256.99	ug/l	100
59) 2-Hexanone	9.50	43	1477422	268.86	ug/l	100
60) Dibromochloromethane	9.59	129	222748	57.51	ug/l	99
61) 1,2-Dibromoethane	9.67	107	226607	54.49	ug/l	99
64) Tetrachloroethene	9.34	164	204524	44.93	ug/l	96
65) Chlorobenzene	10.14	112	581188	48.27	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	211766	51.17	ug/l	99
67) Ethyl Benzene	10.25	91	971737	49.31	ug/l	99
68) m/p-Xylenes	10.36	106	771944	100.24	ug/l	98
69) o-Xylene	10.70	106	375523	51.66	ug/l	97
70) Styrene	10.71	104	648708	54.50	ug/l	97
71) Bromoform	10.86	173	169938	54.91	ug/l #	99
73) Isopropylbenzene	11.02	105	1016935	47.43	ug/l	97
74) N-amyl acetate	6.46	43	465507	41.75	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	343968	46.81	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	310316m	48.47	ug/l	
77) Bromobenzene	11.26	156	269107	47.05	ug/l	100
78) n-propylbenzene	11.36	91	1167770	48.50	ug/l	99
79) 2-Chlorotoluene	11.42	91	692903	47.20	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	849963	48.62	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	104524	49.76	ug/l	97
82) 4-Chlorotoluene	11.51	91	791495	46.02	ug/l	98
83) tert-Butylbenzene	11.77	119	834143	48.50	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	863890	49.14	ug/l	100
85) sec-Butylbenzene	11.94	105	1005172	49.52	ug/l	100
86) p-Isopropyltoluene	12.07	119	898432	49.33	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	500591	47.35	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	520001	47.41	ug/l	98
89) n-Butylbenzene	12.39	91	791531	49.87	ug/l	99
90) Hexachloroethane	12.60	117	140184	47.40	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	506880	48.37	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	65870	43.76	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	326754	43.35	ug/l	96
94) Hexachlorobutadiene	13.79	225	160856	45.56	ug/l	100
95) Naphthalene	13.83	128	1075650	49.83	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	359485	47.79	ug/l	99

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

