

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071818\
 Data File : VX003439.D
 Acq On : 18 Jul 2018 11:05
 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
 7/19/2018 1:04:11 PM

Quant Time: Jul 18 14:00:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	393313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	516098	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	488462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	316886	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	209321	40.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.28%	
35) Dibromofluoromethane	5.51	113	189847	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	
50) Toluene-d8	8.72	98	695530	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
62) 4-Bromofluorobenzene	11.14	95	257926	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	228108	51.38	ug/l	96
3) Chloromethane	1.32	50	210688	43.85	ug/l	97
4) Vinyl Chloride	1.40	62	233512	44.60	ug/l	100
5) Bromomethane	1.64	94	84211	46.59	ug/l	98
6) Chloroethane	1.72	64	137422	47.29	ug/l	100
7) Trichlorofluoromethane	1.93	101	324692	46.75	ug/l	93
8) Diethyl Ether	2.19	74	133277	44.85	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	203617	46.41	ug/l	99
10) Methyl Iodide	2.51	142	223558	47.63	ug/l	91
11) Tert butyl alcohol	3.07	59	225060	194.29	ug/l	99
12) 1,1-Dichloroethene	2.37	96	188184	45.39	ug/l	89
13) Acrolein	2.29	56	72879	131.16	ug/l	98
14) Allyl chloride	2.73	41	340359	45.26	ug/l	87
15) Acrylonitrile	3.15	53	539200	203.18	ug/l	97
16) Acetone	2.45	43	418242	195.22	ug/l #	84
17) Carbon Disulfide	2.57	76	485115	42.65	ug/l	100
18) Methyl Acetate	2.78	43	343564	49.24	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	648700	47.12	ug/l	98
20) Methylene Chloride	2.85	84	215565	56.04	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	196855	43.96	ug/l	91
22) Diisopropyl ether	3.87	45	654924	44.90	ug/l	95
23) Vinyl Acetate	3.82	43	2638840	219.34	ug/l	96
24) 1,1-Dichloroethane	3.70	63	371134	44.85	ug/l	99
25) 2-Butanone	4.71	43	664524	198.20	ug/l	97
26) 2,2-Dichloropropane	4.59	77	294890	50.77	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	217814	45.21	ug/l	96
28) Bromochloromethane	5.02	49	167395	46.59	ug/l	90
29) Tetrahydrofuran	5.16	42	421616	198.28	ug/l	90
30) Chloroform	5.21	83	348381	45.68	ug/l	99
31) Cyclohexane	5.57	56	303774	47.53	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	302092	46.58	ug/l	97
36) 1,1-Dichloropropene	5.80	75	262556	50.24	ug/l	99
37) Ethyl Acetate	4.86	43	254092	43.14	ug/l	95
38) Carbon Tetrachloride	5.79	117	266568	50.12	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	296456	49.55	ug/l	96
40) Benzene	6.15	78	762972	47.98	ug/l	100
41) Methacrylonitrile	5.06	41	149597	46.19	ug/l	92
42) 1,2-Dichloroethane	6.20	62	251477	46.12	ug/l	95
43) Isopropyl Acetate	6.46	43	399731	44.97	ug/l	94
44) Trichloroethene	7.21	130	223944	48.62	ug/l	99
45) 1,2-Dichloropropane	7.52	63	196294	47.46	ug/l	100
46) Dibromomethane	7.66	93	127540	46.31	ug/l	97
47) Bromodichloromethane	7.90	83	245090	48.59	ug/l	98
48) Methyl methacrylate	7.78	41	211628	46.67	ug/l	87
49) 1,4-Dioxane	7.76	88	86301	831.20	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1311036	224.07	ug/l	93
52) Toluene	8.79	92	478837	48.10	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	304491	51.13	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	276920	50.95	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	196814	47.32	ug/l	98
56) Ethyl methacrylate	9.18	69	287633	48.84	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	320400	47.94	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	626391	212.10	ug/l	98
59) 2-Hexanone	9.50	43	987489	219.66	ug/l	90
60) Dibromochloromethane	9.59	129	205021	49.61	ug/l	99
61) 1,2-Dibromoethane	9.68	107	202665	47.27	ug/l	100
64) Tetrachloroethene	9.34	164	251771	49.27	ug/l	97
65) Chlorobenzene	10.14	112	551651	47.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	201227	49.06	ug/l	99
67) Ethyl Benzene	10.26	91	935673	49.61	ug/l	99
68) m/p-Xylenes	10.36	106	731123	100.22	ug/l	97
69) o-Xylene	10.70	106	352777	50.35	ug/l	96
70) Styrene	10.71	104	583789	50.62	ug/l	97
71) Bromoform	10.86	173	158994	48.19	ug/l	99
73) Isopropylbenzene	11.02	105	953932	47.01	ug/l	100
74) N-amyl acetate	6.46	43	399731	40.97	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	280618	41.90	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	252197m	43.96	ug/l	
77) Bromobenzene	11.26	156	258801	44.91	ug/l	98
78) n-propylbenzene	11.37	91	1097420	48.41	ug/l	99
79) 2-Chlorotoluene	11.43	91	639822	46.04	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	799418	48.23	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	84499	47.85	ug/l	89
82) 4-Chlorotoluene	11.51	91	758749	46.79	ug/l	98
83) tert-Butylbenzene	11.77	119	772179	47.67	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	813645	47.79	ug/l	98
85) sec-Butylbenzene	11.95	105	952658	48.48	ug/l	100
86) p-Isopropyltoluene	12.07	119	902072	51.57	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	494111	46.85	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	503387	47.00	ug/l	99
89) n-Butylbenzene	12.39	91	760294	51.02	ug/l	99
90) Hexachloroethane	12.60	117	124510	46.98	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	486238	45.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	58928	42.29	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	376098	51.88	ug/l	100
94) Hexachlorobutadiene	13.79	225	182279	52.24	ug/l	99
95) Naphthalene	13.84	128	1030101	49.58	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	370690	49.72	ug/l	100

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

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