

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006437.D
 Acq On : 12 Dec 2018 11:33
 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
 12/13/2018 11:04:59 AM

Quant Time: Dec 13 06:23:59 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	678475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	977447	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	902192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	475954	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	304081	43.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.80%	
35) Dibromofluoromethane	5.51	113	295554	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
50) Toluene-d8	8.71	98	1055753	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	
62) 4-Bromofluorobenzene	11.13	95	408659	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	344798	51.902	ug/l	98
3) Chloromethane	1.33	50	344954	50.530	ug/l	98
4) Vinyl Chloride	1.42	62	382264	52.027	ug/l	98
5) Bromomethane	1.64	94	342046	67.173	ug/l	100
6) Chloroethane	1.71	64	242329	53.792	ug/l	100
7) Trichlorofluoromethane	1.93	101	590432	52.351	ug/l	100
8) Diethyl Ether	2.20	74	228016	53.419	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	354392	55.260	ug/l	98
10) Methyl Iodide	2.51	142	537763	55.641	ug/l	99
11) Tert butyl alcohol	3.08	59	403276	212.907	ug/l	100
12) 1,1-Dichloroethene	2.38	96	322942	52.603	ug/l	92
13) Acrolein	2.30	56	214836	207.517	ug/l	99
14) Allyl chloride	2.73	41	568714	46.895	ug/l	98
15) Acrylonitrile	3.15	53	942792	238.523	ug/l	100
16) Acetone	2.45	43	832033	255.979	ug/l	96
17) Carbon Disulfide	2.57	76	934848	49.417	ug/l	100
18) Methyl Acetate	2.78	43	505131	46.470	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	1100034	50.227	ug/l	98
20) Methylene Chloride	2.86	84	360278	52.081	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	351232	53.685	ug/l	93
22) Diisopropyl ether	3.87	45	999649	52.772	ug/l	96
23) Vinyl Acetate	3.82	43	4398694	272.256	ug/l	98
24) 1,1-Dichloroethane	3.70	63	610720	56.406	ug/l	99
25) 2-Butanone	4.70	43	1173684	253.067	ug/l	100
26) 2,2-Dichloropropane	4.59	77	519908	52.031	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	400981	54.946	ug/l	98
28) Bromochloromethane	5.02	49	240367	50.826	ug/l	96
29) Tetrahydrofuran	5.15	42	773483	239.966	ug/l	97
30) Chloroform	5.21	83	609932	53.606	ug/l	98
31) Cyclohexane	5.58	56	545120	54.480	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	563853	52.084	ug/l	100
36) 1,1-Dichloropropene	5.80	75	471284	57.257	ug/l	100
37) Ethyl Acetate	4.86	43	459801	49.882	ug/l	98
38) Carbon Tetrachloride	5.79	117	515463	53.233	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	632948	59.241	ug/l	99
40) Benzene	6.15	78	1400363	56.803	ug/l	99
41) Methacrylonitrile	5.06	41	256480	50.567	ug/l	99
42) 1,2-Dichloroethane	6.20	62	455450	56.448	ug/l	100
43) Isopropyl Acetate	6.46	43	765547	49.812	ug/l	99
44) Trichloroethene	7.21	130	423675	56.729	ug/l	99
45) 1,2-Dichloropropane	7.52	63	344464	54.977	ug/l	97
46) Dibromomethane	7.66	93	250260	55.305	ug/l	99
47) Bromodichloromethane	7.90	83	461982	52.719	ug/l	99
48) Methyl methacrylate	7.77	41	383242	51.258	ug/l	98
49) 1,4-Dioxane	7.75	88	178136	966.692	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	2288564	255.797	ug/l	99
52) Toluene	8.79	92	931156	57.411	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	533535	52.060	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	573015	53.846	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	378161	57.392	ug/l	99
56) Ethyl methacrylate	9.18	69	560053	54.369	ug/l	97
57) 1,3-Dichloropropane	9.37	76	587300	56.366	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1355282	259.275	ug/l	99
59) 2-Hexanone	9.49	43	1745292	255.333	ug/l	98
60) Dibromochloromethane	9.59	129	427421	52.606	ug/l	100
61) 1,2-Dibromoethane	9.67	107	407493	55.309	ug/l	99
64) Tetrachloroethene	9.34	164	392721	57.801	ug/l	98
65) Chlorobenzene	10.14	112	1097320	57.297	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	401961	54.019	ug/l	99
67) Ethyl Benzene	10.25	91	1801673	56.563	ug/l	99
68) m/p-Xylenes	10.36	106	1464046	114.743	ug/l	98
69) o-Xylene	10.70	106	712484	56.532	ug/l	100
70) Styrene	10.71	104	1151874	56.509	ug/l	99
71) Bromoform	10.86	173	334779	47.661	ug/l	99
73) Isopropylbenzene	11.02	105	1874249	57.022	ug/l	100
74) N-amyl acetate	10.90	43	693568	49.002	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	549014	52.210	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	518134m	56.401	ug/l	
77) Bromobenzene	11.26	156	512121	56.143	ug/l	99
78) n-propylbenzene	11.36	91	2117616	57.958	ug/l	100
79) 2-Chlorotoluene	11.42	91	1225810	56.447	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1550936	56.712	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	180199	46.032	ug/l	92
82) 4-Chlorotoluene	11.51	91	1421424	56.298	ug/l	99
83) tert-Butylbenzene	11.77	119	1636928	56.100	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1604066	56.803	ug/l	100
85) sec-Butylbenzene	11.94	105	1933255	58.239	ug/l	99
86) p-Isopropyltoluene	12.06	119	1741608	58.265	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	928404	57.200	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	925340	56.170	ug/l	99
89) n-Butylbenzene	12.39	91	1521341	59.650	ug/l	99
90) Hexachloroethane	12.60	117	305624	50.167	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	893083	55.442	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	120549	44.722	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	678366	57.723	ug/l	99
94) Hexachlorobutadiene	13.78	225	322074	61.970	ug/l	99
95) Naphthalene	13.83	128	1985226	54.306	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	665909	57.208	ug/l	98

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

