

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\
 Data File : VX006435.D
 Acq On : 11 Dec 2018 21:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 10:40:28 AM

Quant Time: Dec 12 04:44:39 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	5.66	168	605918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	923351	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	842878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	440617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	317860	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	5.51	113	303100	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	8.71	98	1085323	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
62) 4-Bromofluorobenzene	11.14	95	418164	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	295737	49.848	ug/l	100
3) Chloromethane	1.33	50	281158	46.116	ug/l	94
4) Vinyl Chloride	1.41	62	313098	47.716	ug/l	97
5) Bromomethane	1.64	94	267011	58.717	ug/l	99
6) Chloroethane	1.71	64	197639	49.125	ug/l	99
7) Trichlorofluoromethane	1.93	101	492926	48.939	ug/l	98
8) Diethyl Ether	2.19	74	192676	50.545	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	286470	50.018	ug/l	98
10) Methyl Iodide	2.51	142	450583	52.204	ug/l	98
11) Tert butyl alcohol	3.08	59	402487	237.935	ug/l	100
12) 1,1-Dichloroethene	2.37	96	267596	48.807	ug/l	93
13) Acrolein	2.30	56	226795	245.301	ug/l	98
14) Allyl chloride	2.73	41	478227	44.155	ug/l	99
15) Acrylonitrile	3.15	53	882139	249.903	ug/l	100
16) Acetone	2.45	43	729637	251.357	ug/l	97
17) Carbon Disulfide	2.57	76	648127	38.363	ug/l	100
18) Methyl Acetate	2.78	43	519589	53.524	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	983763	50.297	ug/l	98
20) Methylene Chloride	2.86	84	304518	49.292	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	284452	48.685	ug/l	90
22) Diisopropyl ether	3.87	45	860268	50.853	ug/l	98
23) Vinyl Acetate	3.82	43	3507481	243.091	ug/l	99
24) 1,1-Dichloroethane	3.70	63	505111	52.239	ug/l	98
25) 2-Butanone	4.70	43	1074262	259.367	ug/l	97
26) 2,2-Dichloropropane	4.59	77	379533	42.531	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	333806	51.219	ug/l	97
28) Bromochloromethane	5.02	49	218446	51.722	ug/l	99
29) Tetrahydrofuran	5.15	42	715074	248.411	ug/l	97
30) Chloroform	5.21	83	521863	51.358	ug/l	97
31) Cyclohexane	5.57	56	417991	46.777	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	471299	48.748	ug/l	100
36) 1,1-Dichloropropene	5.80	75	375679	48.315	ug/l	100
37) Ethyl Acetate	4.85	43	412891	47.417	ug/l	99
38) Carbon Tetrachloride	5.79	117	412634	45.110	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	468593	46.428	ug/l	100
40) Benzene	6.15	78	1149010	49.338	ug/l	99
41) Methacrylonitrile	5.06	41	227429	47.466	ug/l	98
42) 1,2-Dichloroethane	6.20	62	387328	50.818	ug/l	99
43) Isopropyl Acetate	6.46	43	672247	46.304	ug/l	98
44) Trichloroethene	7.21	130	343615	48.705	ug/l	96
45) 1,2-Dichloropropane	7.52	63	293425	49.575	ug/l	100
46) Dibromomethane	7.66	93	210246	49.184	ug/l	98
47) Bromodichloromethane	7.90	83	392837	47.455	ug/l	100
48) Methyl methacrylate	7.77	41	337209	47.744	ug/l	98
49) 1,4-Dioxane	7.76	88	171321	984.178	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2079761	246.078	ug/l	98
52) Toluene	8.79	92	763937	49.861	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	432403	44.664	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	465415	46.297	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	324249	52.093	ug/l	99
56) Ethyl methacrylate	9.18	69	480018	49.330	ug/l	98
57) 1,3-Dichloropropane	9.37	76	509516	51.766	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1199669	242.951	ug/l	99
59) 2-Hexanone	9.49	43	1569496	243.066	ug/l	99
60) Dibromochloromethane	9.58	129	356800	46.487	ug/l	99
61) 1,2-Dibromoethane	9.67	107	349397	50.202	ug/l	100
64) Tetrachloroethene	9.33	164	309330	48.732	ug/l	96
65) Chlorobenzene	10.14	112	908144	50.756	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	333916	48.033	ug/l	99
67) Ethyl Benzene	10.25	91	1486983	49.968	ug/l	99
68) m/p-Xylenes	10.36	106	1183372	99.272	ug/l	99
69) o-Xylene	10.70	106	588740	50.001	ug/l	98
70) Styrene	10.71	104	945271	49.637	ug/l	99
71) Bromoform	10.86	173	276902	42.195	ug/l #	100
73) Isopropylbenzene	11.02	105	1554861	51.099	ug/l	100
74) N-amyl acetate	10.90	43	595212	45.425	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	485607	49.884	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	440993m	51.853	ug/l	
77) Bromobenzene	11.26	156	423275	50.125	ug/l	99
78) n-propylbenzene	11.36	91	1693057	50.055	ug/l	100
79) 2-Chlorotoluene	11.42	91	1009403	50.210	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1265119	49.970	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	147078	40.584	ug/l	90
82) 4-Chlorotoluene	11.51	91	1147056	49.074	ug/l	100
83) tert-Butylbenzene	11.77	119	1344499	49.773	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1302799	49.835	ug/l	98
85) sec-Butylbenzene	11.94	105	1563278	50.870	ug/l	100
86) p-Isopropyltoluene	12.07	119	1403588	50.723	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	753417	50.142	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	748835	49.102	ug/l	99
89) n-Butylbenzene	12.39	91	1171034	49.597	ug/l	99
90) Hexachloroethane	12.60	117	244653	43.379	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	741279	49.709	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	106823	42.808	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	533998	49.083	ug/l	99
94) Hexachlorobutadiene	13.78	225	239789	49.838	ug/l	99
95) Naphthalene	13.83	128	1709447	50.512	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	538789	50.000	ug/l	99

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

