

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122018\
 Data File : VX006662.D
 Acq On : 20 Dec 2018 09:00
 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
 12/21/2018 10:18:50 AM

Quant Time: Dec 21 03:44:35 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	5.66	168	737861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1095979	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1030351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	539742	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	368630	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
35) Dibromofluoromethane	5.50	113	342606	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	8.71	98	1302142	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	11.13	95	491496	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	317498	47.036	ug/l	98
3) Chloromethane	1.33	50	341239	46.923	ug/l	98
4) Vinyl Chloride	1.41	62	357138	47.022	ug/l	99
5) Bromomethane	1.64	94	366482	51.774	ug/l	100
6) Chloroethane	1.71	64	229177	43.578	ug/l	97
7) Trichlorofluoromethane	1.93	101	565113	47.723	ug/l	98
8) Diethyl Ether	2.19	74	217704	46.287	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	346827	49.883	ug/l	99
10) Methyl Iodide	2.51	142	519851	52.233	ug/l	100
11) Tert butyl alcohol	3.07	59	405970	228.748	ug/l	100
12) 1,1-Dichloroethene	2.37	96	309525	46.951	ug/l	99
13) Acrolein	2.29	56	240770	201.102	ug/l	99
14) Allyl chloride	2.73	41	531996	47.941	ug/l	99
15) Acrylonitrile	3.15	53	931191	236.313	ug/l	100
16) Acetone	2.45	43	921667	252.266	ug/l	98
17) Carbon Disulfide	2.57	76	792014	45.397	ug/l	100
18) Methyl Acetate	2.78	43	512365	47.692	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	1068527	48.834	ug/l	100
20) Methylene Chloride	2.85	84	346203	45.825	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	334277	45.763	ug/l	99
22) Diisopropyl ether	3.87	45	1037631	51.112	ug/l	98
23) Vinyl Acetate	3.82	43	4358933	262.498	ug/l	99
24) 1,1-Dichloroethane	3.70	63	587139	48.449	ug/l	98
25) 2-Butanone	4.70	43	1255633	244.325	ug/l	100
26) 2,2-Dichloropropane	4.59	77	460792	49.223	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	382076	47.408	ug/l	98
28) Bromochloromethane	5.02	49	254646	49.841	ug/l	97
29) Tetrahydrofuran	5.15	42	799090	236.080	ug/l	100
30) Chloroform	5.21	83	609790	48.590	ug/l	100
31) Cyclohexane	5.57	56	534736	48.570	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	525504	49.591	ug/l	100
36) 1,1-Dichloropropene	5.80	75	460237	50.702	ug/l	100
37) Ethyl Acetate	4.85	43	470842	49.836	ug/l	98
38) Carbon Tetrachloride	5.78	117	456805	51.782	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	610308	51.070	ug/l	96
40) Benzene	6.14	78	1374214	49.805	ug/l	98
41) Methacrylonitrile	5.06	41	259232	51.681	ug/l	99
42) 1,2-Dichloroethane	6.20	62	460891	49.020	ug/l	99
43) Isopropyl Acetate	6.46	43	759229	52.815	ug/l	99
44) Trichloroethene	7.21	130	413066	49.462	ug/l	97
45) 1,2-Dichloropropane	7.51	63	342198	50.964	ug/l	99
46) Dibromomethane	7.66	93	243717	49.347	ug/l	99
47) Bromodichloromethane	7.90	83	433945	52.923	ug/l	100
48) Methyl methacrylate	7.77	41	390805	53.460	ug/l	99
49) 1,4-Dioxane	7.75	88	193228	1010.459	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2402581	262.678	ug/l	100
52) Toluene	8.78	92	923795	51.824	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	492875	56.047	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	538837	55.843	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	376306	51.575	ug/l	98
56) Ethyl methacrylate	9.18	69	552302	53.557	ug/l	97
57) 1,3-Dichloropropane	9.37	76	590597	50.311	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1366707	249.322	ug/l	100
59) 2-Hexanone	9.49	43	1876175	268.096	ug/l	100
60) Dibromochloromethane	9.58	129	385551	50.499	ug/l	99
61) 1,2-Dibromoethane	9.67	107	407761	52.573	ug/l	100
64) Tetrachloroethene	9.34	164	400769	49.121	ug/l	96
65) Chlorobenzene	10.13	112	1080184	49.554	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	368262	54.149	ug/l	100
67) Ethyl Benzene	10.25	91	1792229	50.316	ug/l	99
68) m/p-Xylenes	10.36	106	1433979	102.024	ug/l	100
69) o-Xylene	10.69	106	701316	50.530	ug/l	98
70) Styrene	10.71	104	1144746	52.134	ug/l	100
71) Bromoform	10.86	173	284449	46.693	ug/l #	100
73) Isopropylbenzene	11.02	105	1872108	50.700	ug/l	99
74) N-amyl acetate	10.90	43	698610	52.857	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	546363	49.753	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	514231m	51.266	ug/l	
77) Bromobenzene	11.26	156	499744	50.061	ug/l	100
78) n-propylbenzene	11.36	91	2123165	52.215	ug/l	100
79) 2-Chlorotoluene	11.42	91	1228784	49.867	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1549044	50.933	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	154797	47.222	ug/l	99
82) 4-Chlorotoluene	11.51	91	1422681	50.333	ug/l	100
83) tert-Butylbenzene	11.77	119	1579027	51.875	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1597702	49.944	ug/l	100
85) sec-Butylbenzene	11.94	105	1920148	51.450	ug/l	100
86) p-Isopropyltoluene	12.06	119	1735161	52.891	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	908444	50.493	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	909922	49.335	ug/l	99
89) n-Butylbenzene	12.38	91	1516852	54.329	ug/l	99
90) Hexachloroethane	12.60	117	254072	49.519	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	876225	48.685	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	114802	50.524	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	651470	52.476	ug/l	99
94) Hexachlorobutadiene	13.78	225	303850	51.926	ug/l	100
95) Naphthalene	13.83	128	1966877	49.639	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	645857	50.387	ug/l	98

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

