

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120718\
 Data File : VX006335.D
 Acq On : 07 Dec 2018 09:49
 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
 12/10/2018 9:57:21 AM

Quant Time: Dec 08 00:30:01 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	767686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1122752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1011265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	558321	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	383229	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	5.50	113	376042	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
50) Toluene-d8	8.71	98	1328156	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.13	95	520270	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	405991	54.012	ug/l	99
3) Chloromethane	1.32	50	367389	47.562	ug/l	98
4) Vinyl Chloride	1.41	62	400260	48.146	ug/l	96
5) Bromomethane	1.64	94	294399	51.097	ug/l	98
6) Chloroethane	1.71	64	244277	47.923	ug/l	99
7) Trichlorofluoromethane	1.93	101	627068	49.138	ug/l	100
8) Diethyl Ether	2.19	74	232898	48.222	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	376331	51.862	ug/l	98
10) Methyl Iodide	2.51	142	514145	47.016	ug/l	98
11) Tert butyl alcohol	3.06	59	453043	211.386	ug/l	100
12) 1,1-Dichloroethene	2.37	96	338837	48.778	ug/l	92
13) Acrolein	2.29	56	223423	190.733	ug/l	100
14) Allyl chloride	2.73	41	598966	43.650	ug/l	98
15) Acrylonitrile	3.15	53	999698	223.529	ug/l	100
16) Acetone	2.45	43	847257	230.372	ug/l	96
17) Carbon Disulfide	2.57	76	924073	43.171	ug/l	99
18) Methyl Acetate	2.78	43	566645	46.072	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	1184218	47.788	ug/l	98
20) Methylene Chloride	2.85	84	372031	47.530	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	362086	48.913	ug/l	92
22) Diisopropyl ether	3.87	45	1153830	53.833	ug/l	98
23) Vinyl Acetate	3.82	43	4857991	265.742	ug/l	98
24) 1,1-Dichloroethane	3.70	63	642643	52.457	ug/l	99
25) 2-Butanone	4.69	43	1246746	237.581	ug/l	99
26) 2,2-Dichloropropane	4.58	77	593590	52.502	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	430384	52.122	ug/l	98
28) Bromochloromethane	5.02	49	281741	52.651	ug/l	97
29) Tetrahydrofuran	5.15	42	825690	226.395	ug/l	98
30) Chloroform	5.21	83	667188	51.824	ug/l	99
31) Cyclohexane	5.57	56	555279	49.046	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	623089	50.868	ug/l	100
36) 1,1-Dichloropropene	5.80	75	490593	51.889	ug/l	99
37) Ethyl Acetate	4.85	43	492365	46.502	ug/l	98
38) Carbon Tetrachloride	5.78	117	572802	51.498	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	642301	52.336	ug/l	98
40) Benzene	6.14	78	1460742	51.584	ug/l	99
41) Methacrylonitrile	5.06	41	276696	47.492	ug/l	99
42) 1,2-Dichloroethane	6.20	62	487447	52.595	ug/l	100
43) Isopropyl Acetate	6.45	43	828483	46.931	ug/l	99
44) Trichloroethene	7.21	130	444138	51.772	ug/l	97
45) 1,2-Dichloropropane	7.51	63	366061	50.863	ug/l	99
46) Dibromomethane	7.66	93	267013	51.370	ug/l	98
47) Bromodichloromethane	7.90	83	512277	50.893	ug/l	100
48) Methyl methacrylate	7.77	41	410012	47.742	ug/l	99
49) 1,4-Dioxane	7.75	88	205712	971.864	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2481172	241.435	ug/l	98
52) Toluene	8.78	92	950035	50.995	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	585055	49.699	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	618078	50.563	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	397828	52.563	ug/l	99
56) Ethyl methacrylate	9.18	69	601539	50.839	ug/l	98
57) 1,3-Dichloropropane	9.37	76	619725	51.781	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1726588	287.561	ug/l	99
59) 2-Hexanone	9.49	43	1972477	251.223	ug/l	99
60) Dibromochloromethane	9.58	129	473864	50.774	ug/l	99
61) 1,2-Dibromoethane	9.67	107	431690	51.010	ug/l	99
64) Tetrachloroethene	9.34	164	395970	51.994	ug/l	99
65) Chlorobenzene	10.14	112	1131984	52.732	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	432084	51.805	ug/l	99
67) Ethyl Benzene	10.25	91	1848939	51.786	ug/l	99
68) m/p-Xylenes	10.36	106	1491444	104.283	ug/l	100
69) o-Xylene	10.69	106	736965	52.168	ug/l	99
70) Styrene	10.71	104	1222460	53.503	ug/l	99
71) Bromoform	10.85	173	390003	49.534	ug/l	100
73) Isopropylbenzene	11.02	105	1961074	50.862	ug/l	99
74) N-amyl acetate	10.90	43	762656	45.934	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	594729	48.214	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	480328m	44.572	ug/l	
77) Bromobenzene	11.26	156	547449	51.162	ug/l	99
78) n-propylbenzene	11.36	91	2229158	52.010	ug/l	100
79) 2-Chlorotoluene	11.42	91	1304027	51.190	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1652820	51.521	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	208274	45.354	ug/l #	91
82) 4-Chlorotoluene	11.51	91	1533065	51.762	ug/l	99
83) tert-Butylbenzene	11.77	119	1764809	51.560	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1699670	51.309	ug/l	100
85) sec-Butylbenzene	11.94	105	2070490	53.171	ug/l	99
86) p-Isopropyltoluene	12.06	119	1867074	53.248	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	994998	52.259	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1010143	52.272	ug/l	100
89) n-Butylbenzene	12.38	91	1602673	53.568	ug/l	99
90) Hexachloroethane	12.60	117	354235	49.568	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	965499	51.095	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	141175	44.647	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	720152	52.238	ug/l	99
94) Hexachlorobutadiene	13.78	225	343820	56.395	ug/l	100
95) Naphthalene	13.83	128	2156680	50.292	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	718867	52.647	ug/l	99

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

