

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122319\
 Data File : VX014191.D
 Acq On : 23 Dec 2019 10:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/24/2019 8:53:00 AM

Quant Time: Dec 24 01:38:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	626482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	941158	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	843325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	446849	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	368585	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
35) Dibromofluoromethane	5.48	113	301388	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	8.71	98	1190579	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
62) 4-Bromofluorobenzene	11.13	95	433230	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	275661	49.184	ug/l	99
3) Chloromethane	1.32	50	360585	47.940	ug/l	99
4) Vinyl Chloride	1.40	62	394611	49.720	ug/l	99
5) Bromomethane	1.63	94	263232	46.730	ug/l	99
6) Chloroethane	1.72	64	252006	51.447	ug/l	95
7) Trichlorofluoromethane	1.92	101	517661	52.689	ug/l	100
8) Diethyl Ether	2.18	74	232975	50.526	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	317517	53.613	ug/l	100
10) Methyl Iodide	2.50	142	353244	45.479	ug/l	99
11) Tert butyl alcohol	3.03	59	398472	259.724	ug/l	100
12) 1,1-Dichloroethene	2.36	96	310761	51.567	ug/l	98
13) Acrolein	2.28	56	253876	289.076	ug/l	99
14) Allyl chloride	2.72	41	583378	54.218	ug/l	100
15) Acrylonitrile	3.13	53	965478	269.614	ug/l	100
16) Acetone	2.43	43	1138344	246.950	ug/l	99
17) Carbon Disulfide	2.56	76	848335	50.696	ug/l	99
18) Methyl Acetate	2.76	43	489231	53.561	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	1066948	53.879	ug/l	98
20) Methylene Chloride	2.84	84	358833	49.433	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	340783	51.329	ug/l	99
22) Diisopropyl ether	3.84	45	1151509	53.704	ug/l	94
23) Vinyl Acetate	3.80	43	5024495	287.152	ug/l	99
24) 1,1-Dichloroethane	3.69	63	617004	51.722	ug/l	99
25) 2-Butanone	4.65	43	1500634	264.051	ug/l	100
26) 2,2-Dichloropropane	4.57	77	520456	56.192	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	393470	52.403	ug/l	100
28) Bromochloromethane	5.00	49	223674	48.765	ug/l	97
29) Tetrahydrofuran	5.11	42	856849	269.558	ug/l	100
30) Chloroform	5.20	83	604335	53.440	ug/l	98
31) Cyclohexane	5.57	56	570813	53.800	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	516439	53.583	ug/l	99
36) 1,1-Dichloropropene	5.79	75	466338	54.001	ug/l	100
37) Ethyl Acetate	4.81	43	534719	56.072	ug/l	100
38) Carbon Tetrachloride	5.77	117	445294	56.603	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	596769	55.967	ug/l	99
40) Benzene	6.13	78	1402057	52.767	ug/l	100
41) Methacrylonitrile	5.03	41	290829	54.965	ug/l	99
42) 1,2-Dichloroethane	6.18	62	478921	53.173	ug/l	99
43) Isopropyl Acetate	6.43	43	884902	56.071	ug/l	100
44) Trichloroethene	7.20	130	390539	53.213	ug/l	97
45) 1,2-Dichloropropane	7.50	63	369432	54.246	ug/l	98
46) Dibromomethane	7.65	93	238131	52.887	ug/l	99
47) Bromodichloromethane	7.89	83	478023	56.370	ug/l	98
48) Methyl methacrylate	7.76	41	433754	56.128	ug/l	99
49) 1,4-Dioxane	7.73	88	175447	1115.604	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	2691687	271.576	ug/l	100
52) Toluene	8.78	92	894905	53.285	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	557130	59.916	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	608837	58.773	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	360311	53.529	ug/l	97
56) Ethyl methacrylate	9.17	69	592265	56.014	ug/l	99
57) 1,3-Dichloropropane	9.36	76	612626	54.095	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	952984	238.164	ug/l	99
59) 2-Hexanone	9.48	43	2176156	272.747	ug/l	99
60) Dibromochloromethane	9.57	129	395138	59.057	ug/l	100
61) 1,2-Dibromoethane	9.67	107	380839	55.298	ug/l	99
64) Tetrachloroethene	9.33	164	379630	50.872	ug/l	97
65) Chlorobenzene	10.14	112	971633	54.187	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	359507	56.152	ug/l	98
67) Ethyl Benzene	10.25	91	1721722	55.850	ug/l	99
68) m/p-Xylenes	10.35	106	1316659	111.047	ug/l	100
69) o-Xylene	10.70	106	634880	54.596	ug/l	99
70) Styrene	10.71	104	1105348	56.213	ug/l	99
71) Bromoform	10.85	173	307802	59.808	ug/l #	99
73) Isopropylbenzene	11.01	105	1693205	53.818	ug/l	99
74) N-amyl acetate	10.89	43	790997	53.637	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	557770	51.137	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	459999m	47.418	ug/l	
77) Bromobenzene	11.25	156	441983	51.060	ug/l	99
78) n-propylbenzene	11.35	91	1972146	55.884	ug/l	99
79) 2-Chlorotoluene	11.42	91	1131073	52.726	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	1439709	54.373	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	205616	59.824	ug/l	97
82) 4-Chlorotoluene	11.51	91	1338914	53.808	ug/l	100
83) tert-Butylbenzene	11.76	119	1409435	54.698	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1450867	54.716	ug/l	100
85) sec-Butylbenzene	11.94	105	1693826	55.682	ug/l	100
86) p-Isopropyltoluene	12.06	119	1573278	56.541	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	801923	52.859	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	809201	52.457	ug/l	99
89) n-Butylbenzene	12.39	91	1445476	60.881	ug/l	100
90) Hexachloroethane	12.59	117	285118	57.047	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	787321	51.553	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	123944	51.349	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	583809	58.815	ug/l	98
94) Hexachlorobutadiene	13.78	225	278534	58.387	ug/l	99
95) Naphthalene	13.83	128	1725632	59.171	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	566880	57.853	ug/l	99

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

