

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111919\
 Data File : VX013466.D
 Acq On : 19 Nov 2019 16:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 9:18:11 AM

Quant Time: Nov 19 17:39:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	692614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1051720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	956025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	483162	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	354786	43.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.48%	
35) Dibromofluoromethane	5.48	113	290826	44.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.18%	
50) Toluene-d8	8.71	98	1092198	43.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.84%	
62) 4-Bromofluorobenzene	11.13	95	406755	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	303773	38.065	ug/l	98
3) Chloromethane	1.31	50	342163	39.538	ug/l	98
4) Vinyl Chloride	1.40	62	401619	40.764	ug/l	99
5) Bromomethane	1.63	94	273685	39.862	ug/l	99
6) Chloroethane	1.71	64	221287	39.030	ug/l	98
7) Trichlorofluoromethane	1.92	101	447341	38.431	ug/l	99
8) Diethyl Ether	2.17	74	216829	42.124	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	282674	43.571	ug/l	99
10) Methyl Iodide	2.50	142	330572	41.155	ug/l	97
11) Tert butyl alcohol	3.03	59	403913	186.763	ug/l	99
12) 1,1-Dichloroethene	2.36	96	271062	42.665	ug/l	96
13) Acrolein	2.28	56	245757	209.668	ug/l	96
14) Allyl chloride	2.72	41	518010	44.874	ug/l	95
15) Acrylonitrile	3.12	53	935374	231.537	ug/l	99
16) Acetone	2.43	43	872105	213.085	ug/l	100
17) Carbon Disulfide	2.56	76	662401	38.954	ug/l	99
18) Methyl Acetate	2.76	43	544999	48.233	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1009919	47.660	ug/l	97
20) Methylene Chloride	2.84	84	321695	42.542	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	291039	42.073	ug/l	94
22) Diisopropyl ether	3.84	45	1053151	47.256	ug/l	94
23) Vinyl Acetate	3.80	43	4411414	231.325	ug/l	100
24) 1,1-Dichloroethane	3.68	63	559539	44.881	ug/l	99
25) 2-Butanone	4.65	43	1331383	221.744	ug/l	100
26) 2,2-Dichloropropane	4.57	77	451025	45.476	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	353815	45.659	ug/l	99
28) Bromochloromethane	5.00	49	177069	50.022	ug/l	98
29) Tetrahydrofuran	5.11	42	832463	224.990	ug/l	100
30) Chloroform	5.20	83	558236	45.346	ug/l	97
31) Cyclohexane	5.56	56	475710	42.405	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	464902	43.882	ug/l	99
36) 1,1-Dichloropropene	5.78	75	402011	44.557	ug/l	99
37) Ethyl Acetate	4.81	43	492032	44.133	ug/l	99
38) Carbon Tetrachloride	5.77	117	394591	44.724	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	493894	43.932	ug/l	98
40) Benzene	6.13	78	1255070	44.657	ug/l	98
41) Methacrylonitrile	5.02	41	286397	45.832	ug/l	98
42) 1,2-Dichloroethane	6.18	62	448536	44.245	ug/l	98
43) Isopropyl Acetate	6.43	43	821358	47.312	ug/l	99
44) Trichloroethene	7.20	130	335306	43.342	ug/l	99
45) 1,2-Dichloropropane	7.50	63	336379	46.974	ug/l	100
46) Dibromomethane	7.65	93	217434	44.471	ug/l	97
47) Bromodichloromethane	7.89	83	442719	48.018	ug/l	96
48) Methyl methacrylate	7.76	41	407237	46.993	ug/l	98
49) 1,4-Dioxane	7.73	88	151838	765.078	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	2595041	227.834	ug/l	99
52) Toluene	8.78	92	794863	45.632	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	494744	49.073	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	544409	48.274	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	337891	46.799	ug/l	98
56) Ethyl methacrylate	9.17	69	553751	45.084	ug/l	96
57) 1,3-Dichloropropane	9.36	76	572339	46.698	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	1214365	245.987	ug/l	100
59) 2-Hexanone	9.48	43	1994454	226.592	ug/l	99
60) Dibromochloromethane	9.57	129	360695	48.847	ug/l	100
61) 1,2-Dibromoethane	9.67	107	353160	46.064	ug/l	99
64) Tetrachloroethene	9.33	164	303342	44.323	ug/l	100
65) Chlorobenzene	10.13	112	863685	44.623	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	331744	46.680	ug/l	99
67) Ethyl Benzene	10.25	91	1518702	45.463	ug/l	100
68) m/p-Xylenes	10.36	106	1163824	92.122	ug/l	99
69) o-Xylene	10.70	106	575136	46.500	ug/l	98
70) Styrene	10.71	104	987631	47.768	ug/l	98
71) Bromoform	10.85	173	288378	44.164	ug/l #	98
73) Isopropylbenzene	11.01	105	1518984	47.417	ug/l	99
74) N-amyl acetate	10.89	43	727073	48.944	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	548447	46.929	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	509175m	51.884	ug/l	
77) Bromobenzene	11.25	156	399754	46.810	ug/l	97
78) n-propylbenzene	11.35	91	1728996	48.452	ug/l	100
79) 2-Chlorotoluene	11.42	91	1010725	47.011	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1274854	47.778	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	186736	48.978	ug/l	95
82) 4-Chlorotoluene	11.51	91	1172711	46.596	ug/l	99
83) tert-Butylbenzene	11.77	119	1296526	48.269	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1295096	48.384	ug/l	100
85) sec-Butylbenzene	11.94	105	1482575	48.026	ug/l	99
86) p-Isopropyltoluene	12.06	119	1387205	48.800	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	709542	46.611	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	705724	45.503	ug/l	100
89) n-Butylbenzene	12.39	91	1194880	48.173	ug/l	99
90) Hexachloroethane	12.59	117	248791	49.122	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	713508	46.891	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	116370	40.871	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	505071	47.585	ug/l	99
94) Hexachlorobutadiene	13.78	225	239714	46.163	ug/l	99
95) Naphthalene	13.83	128	1560539	46.860	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	499624	46.937	ug/l	100

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

