

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013549.D
 Acq On : 22 Nov 2019 21:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/25/2019 10:39:41 AM

Quant Time: Nov 23 00:55:52 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	5.65	168	621810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	961680	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	864334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	438986	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	356889	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	5.49	113	294530	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
50) Toluene-d8	8.71	98	1124246	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.14	95	416878	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	296709	41.414	ug/l	99
3) Chloromethane	1.31	50	332651	42.815	ug/l	99
4) Vinyl Chloride	1.40	62	395613	44.726	ug/l	98
5) Bromomethane	1.63	94	278503	45.182	ug/l	100
6) Chloroethane	1.70	64	225228	44.411	ug/l	100
7) Trichlorofluoromethane	1.92	101	450197	43.080	ug/l	98
8) Diethyl Ether	2.18	74	215231	46.575	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	284461	48.839	ug/l	99
10) Methyl Iodide	2.50	142	343107	47.579	ug/l	98
11) Tert butyl alcohol	3.04	59	432750	222.881	ug/l	99
12) 1,1-Dichloroethene	2.36	96	271462	47.593	ug/l	97
13) Acrolein	2.28	56	315781	300.085	ug/l	98
14) Allyl chloride	2.72	41	504686	48.698	ug/l	94
15) Acrylonitrile	3.13	53	974021	268.557	ug/l	98
16) Acetone	2.43	43	856715	233.160	ug/l	99
17) Carbon Disulfide	2.56	76	618817	40.535	ug/l	99
18) Methyl Acetate	2.76	43	623599	61.474	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	1001065	52.622	ug/l	99
20) Methylene Chloride	2.84	84	328859	48.441	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	295846	47.638	ug/l	98
22) Diisopropyl ether	3.84	45	1047889	52.374	ug/l	91
23) Vinyl Acetate	3.80	43	2153770	125.799	ug/l	99
24) 1,1-Dichloroethane	3.69	63	561533	50.170	ug/l	100
25) 2-Butanone	4.66	43	1389822	257.835	ug/l	100
26) 2,2-Dichloropropane	4.57	77	388741	43.659	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	357726	51.420	ug/l	97
28) Bromochloromethane	5.01	49	168413	52.994	ug/l	98
29) Tetrahydrofuran	5.11	42	870114	261.944	ug/l	100
30) Chloroform	5.20	83	565912	51.204	ug/l	96
31) Cyclohexane	5.57	56	476448	47.307	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	469412	49.353	ug/l	99
36) 1,1-Dichloropropene	5.79	75	404464	49.026	ug/l	99
37) Ethyl Acetate	4.82	43	509006	49.931	ug/l	100
38) Carbon Tetrachloride	5.77	117	394276	48.872	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	480025	46.696	ug/l	99
40) Benzene	6.13	78	1266438	49.280	ug/l	98
41) Methacrylonitrile	5.03	41	292119	51.124	ug/l	99
42) 1,2-Dichloroethane	6.19	62	452427	48.807	ug/l	100
43) Isopropyl Acetate	6.44	43	830204	52.299	ug/l	99
44) Trichloroethene	7.20	130	373901	52.856	ug/l	96
45) 1,2-Dichloropropane	7.51	63	337893	51.604	ug/l	100
46) Dibromomethane	7.65	93	220253	49.266	ug/l	98
47) Bromodichloromethane	7.89	83	439922	52.183	ug/l	94
48) Methyl methacrylate	7.76	41	411024	51.870	ug/l	97
49) 1,4-Dioxane	7.73	88	162215	893.893	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2718156	260.987	ug/l	99
52) Toluene	8.78	92	811088	50.923	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	474323	51.453	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	524433	50.856	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	344220	52.139	ug/l	99
56) Ethyl methacrylate	9.17	69	555652	49.322	ug/l	97
57) 1,3-Dichloropropane	9.37	76	573552	51.178	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1077190	238.630	ug/l	99
59) 2-Hexanone	9.49	43	2140842	265.996	ug/l	98
60) Dibromochloromethane	9.58	129	361462	53.534	ug/l	99
61) 1,2-Dibromoethane	9.67	107	357270	50.963	ug/l	100
64) Tetrachloroethene	9.33	164	525159	84.874	ug/l	99
65) Chlorobenzene	10.14	112	885238	50.588	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	331210	51.549	ug/l	100
67) Ethyl Benzene	10.25	91	1542258	51.066	ug/l	100
68) m/p-Xylenes	10.36	106	1174412	102.822	ug/l	99
69) o-Xylene	10.70	106	576677	51.570	ug/l	100
70) Styrene	10.71	104	1006108	53.824	ug/l	99
71) Bromoform	10.86	173	280364	47.250	ug/l	# 100
73) Isopropylbenzene	11.01	105	1541547	52.964	ug/l	100
74) N-amyl acetate	10.89	43	742227	54.993	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	494965	46.615	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	441784m	49.547	ug/l	
77) Bromobenzene	11.25	156	405190	52.221	ug/l	99
78) n-propylbenzene	11.35	91	1734667	53.503	ug/l	99
79) 2-Chlorotoluene	11.42	91	1028167	52.635	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1287481	53.107	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	173344	50.041	ug/l	97
82) 4-Chlorotoluene	11.51	91	1190855	52.079	ug/l	100
83) tert-Butylbenzene	11.76	119	1112420	45.583	ug/l	87
84) 1,2,4-Trimethylbenzene	11.81	105	1288904	52.999	ug/l	98
85) sec-Butylbenzene	11.94	105	1523238	54.309	ug/l	100
86) p-Isopropyltoluene	12.06	119	1390893	53.854	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	713109	51.560	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	719805	51.081	ug/l	99
89) n-Butylbenzene	12.39	91	1207325	53.573	ug/l	100
90) Hexachloroethane	12.59	117	244390	53.109	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	728691	52.707	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	125299	48.436	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	517423	53.654	ug/l	98
94) Hexachlorobutadiene	13.78	225	248042	52.573	ug/l	99
95) Naphthalene	13.83	128	1640574	54.221	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	526320	54.420	ug/l	99

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

