

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064255.D
 Acq On : 18 Nov 2019 10:29
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:11:41 PM

Quant Time: Nov 19 04:44:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	683493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	960664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	832039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	407551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	284252	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	7.92	113	286770	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	10.34	98	1093340	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.64	95	360711	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	276583	48.791	ug/l	98
3) Chloromethane	2.21	50	320525	52.715	ug/l	99
4) Vinyl Chloride	2.35	62	375286	57.717	ug/l	98
5) Bromomethane	2.77	94	237535	57.853	ug/l	98
6) Chloroethane	2.92	64	243215	58.539	ug/l	98
7) Trichlorofluoromethane	3.27	101	628363	59.606	ug/l	97
8) Diethyl Ether	3.71	74	140558	48.491	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	306974	50.947	ug/l	98
10) Methyl Iodide	4.29	142	330517	48.133	ug/l	99
11) Tert butyl alcohol	5.25	59	93759	238.800	ug/l	99
12) 1,1-Dichloroethene	4.06	96	291605	50.774	ug/l	96
13) Acrolein	3.92	56	97835	294.550	ug/l	99
14) Allyl chloride	4.71	41	492821	48.532	ug/l	95
15) Acrylonitrile	5.43	53	297936	241.103	ug/l	99
16) Acetone	4.16	43	311694	234.058	ug/l	93
17) Carbon Disulfide	4.40	76	882269	49.328	ug/l	100
18) Methyl Acetate	4.72	43	172826	46.465	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	666689	48.626	ug/l	96
20) Methylene Chloride	4.96	84	295730	43.963	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	323399	49.701	ug/l	99
22) Diisopropyl ether	6.37	45	932249	49.480	ug/l	98
23) Vinyl Acetate	6.31	43	2661621	253.429	ug/l	99
24) 1,1-Dichloroethane	6.27	63	552170	50.474	ug/l	97
25) 2-Butanone	7.22	43	410879	238.817	ug/l	100
26) 2,2-Dichloropropane	7.21	77	526022	49.031	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	354437	50.794	ug/l	97
28) Bromochloromethane	7.54	49	208359	54.707	ug/l	98
29) Tetrahydrofuran	7.57	42	250019	241.868	ug/l	99
30) Chloroform	7.71	83	576865	51.551	ug/l	98
31) Cyclohexane	7.98	56	520991	47.222	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	542780	50.657	ug/l	99
36) 1,1-Dichloropropene	8.11	75	456857	51.528	ug/l	99
37) Ethyl Acetate	7.30	43	171738	45.947	ug/l	98
38) Carbon Tetrachloride	8.09	117	494773	52.153	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	561098	50.014	ug/l	98
40) Benzene	8.35	78	1230982	50.802	ug/l	99
41) Methacrylonitrile	7.53	41	110278	46.942	ug/l	96
42) 1,2-Dichloroethane	8.43	62	354841	48.758	ug/l	99
43) Isopropyl Acetate	8.46	43	369876	48.028	ug/l	100
44) Trichloroethene	9.11	130	364301	50.092	ug/l	98
45) 1,2-Dichloropropane	9.39	63	298524	50.616	ug/l	98
46) Dibromomethane	9.48	93	154176	48.829	ug/l	99
47) Bromodichloromethane	9.67	83	431751	50.765	ug/l	99
48) Methyl methacrylate	9.46	41	172768	45.879	ug/l	98
49) 1,4-Dioxane	9.47	88	36413	960.241	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	881354	238.649	ug/l	100
52) Toluene	10.41	92	799020	50.147	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	422119	49.541	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	490586	49.341	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	218582	51.031	ug/l	99
56) Ethyl methacrylate	10.67	69	288321	48.119	ug/l	96
57) 1,3-Dichloropropane	10.95	76	372693	49.891	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	570248	234.949	ug/l	99
59) 2-Hexanone	10.99	43	616437	234.616	ug/l	99
60) Dibromochloromethane	11.14	129	296201	49.559	ug/l	100
61) 1,2-Dibromoethane	11.25	107	213046	49.659	ug/l	100
64) Tetrachloroethene	10.88	164	311678	48.706	ug/l	97
65) Chlorobenzene	11.67	112	841712	49.748	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	321267	49.936	ug/l	99
67) Ethyl Benzene	11.75	91	1549747	50.638	ug/l	100
68) m/p-Xylenes	11.85	106	1183085	100.853	ug/l	100
69) o-Xylene	12.18	106	544140	50.015	ug/l	100
70) Styrene	12.20	104	950775	50.064	ug/l	99
71) Bromoform	12.37	173	181296	49.516	ug/l	100
73) Isopropylbenzene	12.48	105	1514253	50.620	ug/l	100
74) N-amyl acetate	12.30	43	335394	47.479	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	221073	49.045	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	151438m	46.132	ug/l	
77) Bromobenzene	12.77	156	358915	49.387	ug/l	99
78) n-propylbenzene	12.83	91	1737643	50.842	ug/l	99
79) 2-Chlorotoluene	12.91	91	963306	49.923	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1230260	50.050	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	77019	46.605	ug/l	98
82) 4-Chlorotoluene	13.01	91	1005311	49.951	ug/l	99
83) tert-Butylbenzene	13.23	119	1075851	49.637	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1219473	50.252	ug/l	100
85) sec-Butylbenzene	13.41	105	1483787	50.970	ug/l	100
86) p-Isopropyltoluene	13.53	119	1402445	50.674	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	675597	50.080	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	661222	50.220	ug/l	99
89) n-Butylbenzene	13.85	91	1286684	51.460	ug/l	99
90) Hexachloroethane	14.12	117	260335	50.899	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	577304	50.559	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	37339	46.331	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	445803	50.612	ug/l	99
94) Hexachlorobutadiene	15.28	225	290357	51.036	ug/l	99
95) Naphthalene	15.41	128	704631	48.801	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	374899	50.071	ug/l	98

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

