

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061019\
 Data File : VD062646.D
 Acq On : 10 Jun 2019 11:30
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 12:38:40 AM

Quant Time: Jun 11 04:29:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	719646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	936863	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	779038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	470696	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	593117	57.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.24%	
35) Dibromofluoromethane	6.92	113	555853	56.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.52%	
50) Toluene-d8	10.41	98	1184727	57.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.00%	
62) 4-Bromofluorobenzene	13.55	95	575789	59.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	383136	45.566	ug/l	98
3) Chloromethane	1.75	50	308134	43.273	ug/l	98
4) Vinyl Chloride	1.85	62	327257	44.570	ug/l	99
5) Bromomethane	2.16	94	192842	52.030	ug/l	98
6) Chloroethane	2.28	64	182172	50.252	ug/l	94
7) Trichlorofluoromethane	2.53	101	797748	48.540	ug/l	99
8) Diethyl Ether	2.88	74	99051	44.312	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	408722	46.114	ug/l	97
10) Methyl Iodide	3.31	142	535869	42.318	ug/l	96
11) Tert butyl alcohol	4.08	59	85123	199.420	ug/l #	82
12) 1,1-Dichloroethene	3.12	96	302033	47.484	ug/l	94
13) Acrolein	3.03	56	33050	240.704	ug/l	95
14) Allyl chloride	3.62	41	456130	46.638	ug/l	99
15) Acrylonitrile	4.20	53	218120	224.869	ug/l	96
16) Acetone	3.22	43	510076	268.241	ug/l	98
17) Carbon Disulfide	3.37	76	887694	47.359	ug/l	97
18) Methyl Acetate	3.64	43	127734	40.874	ug/l #	86
19) Methyl tert-butyl Ether	4.25	73	732918	47.245	ug/l	99
20) Methylene Chloride	3.81	84	302553	42.041	ug/l #	86
21) trans-1,2-Dichloroethene	4.22	96	313577	44.944	ug/l	93
22) Diisopropyl ether	5.12	45	964392	47.490	ug/l	96
23) Vinyl Acetate	5.05	43	3024566	240.075	ug/l	97
24) 1,1-Dichloroethane	4.98	63	604338	46.259	ug/l	100
25) 2-Butanone	6.07	43	421692	227.311	ug/l	100
26) 2,2-Dichloropropane	6.03	77	733392	48.709	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	344916	45.601	ug/l	97
28) Bromochloromethane	6.43	49	271330	54.332	ug/l	87
29) Tetrahydrofuran	6.46	42	178215	213.324	ug/l	98
30) Chloroform	6.66	83	788477	47.041	ug/l	97
31) Cyclohexane	6.95	56	386975	47.221	ug/l	91
32) 1,1,1-Trichloroethane	6.86	97	834951	50.061	ug/l	99
36) 1,1-Dichloropropene	7.14	75	545658	50.890	ug/l	96
37) Ethyl Acetate	6.17	43	200172	43.933	ug/l #	92
38) Carbon Tetrachloride	7.11	117	871456m	51.420	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	452425	52.215	ug/l	94
40) Benzene	7.45	78	1027926	49.090	ug/l	99
41) Methacrylonitrile	6.44	41	258289	46.017	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	645303	51.703	ug/l	98
43) Isopropyl Acetate	9.24	43	284921	50.361	ug/l #	98
44) Trichloroethene	8.54	130	426582	50.180	ug/l	92
45) 1,2-Dichloropropane	8.93	63	243156	48.344	ug/l	98
46) Dibromomethane	9.06	93	219214	49.101	ug/l	92
47) Bromodichloromethane	9.37	83	629901	51.865	ug/l	91
48) Methyl methacrylate	9.12	41	185356	45.349	ug/l	94
49) 1,4-Dioxane	9.08	88	29273	810.316	ug/l #	85
51) 4-Methyl-2-Pentanone	10.30	43	957993	241.995	ug/l	100
52) Toluene	10.51	92	714855	50.788	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	494970	49.708	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	494326	48.033	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	228868	47.414	ug/l	97
56) Ethyl methacrylate	11.04	69	245173	42.773	ug/l	99
57) 1,3-Dichloropropane	11.40	76	366044	48.926	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	573505	222.295	ug/l	97
59) 2-Hexanone	11.53	43	758471	257.568	ug/l	97
60) Dibromochloromethane	11.68	129	466262	48.933	ug/l	100
61) 1,2-Dibromoethane	11.81	107	275165	47.630	ug/l	92
64) Tetrachloroethene	11.25	164	359042	49.233	ug/l	96
65) Chlorobenzene	12.40	112	845004	49.037	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	422346	51.390	ug/l	94
67) Ethyl Benzene	12.52	91	1557724	50.985	ug/l	98
68) m/p-Xylenes	12.66	106	1076757	100.248	ug/l	96
69) o-Xylene	13.05	106	445949	45.207	ug/l	99
70) Styrene	13.07	104	796792	45.270	ug/l	98
71) Bromoform	13.23	173	293600	46.762	ug/l	96
73) Isopropylbenzene	13.40	105	1606320	48.417	ug/l	97
74) N-amyl acetate	13.26	43	382605	42.671	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	247020	43.514	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	289428	45.349	ug/l	95
77) Bromobenzene	13.67	156	435196	45.894	ug/l	96
78) n-propylbenzene	13.77	91	1897923	46.735	ug/l	96
79) 2-Chlorotoluene	13.83	91	1122478	47.206	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1328316	45.302	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	75582	40.718	ug/l	96
82) 4-Chlorotoluene	13.94	91	1257532	44.223	ug/l	95
83) tert-Butylbenzene	14.19	119	1500710	46.404	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1333548	45.934	ug/l	99
85) sec-Butylbenzene	14.37	105	1575759	46.466	ug/l	98
86) p-Isopropyltoluene	14.48	119	1594699	48.298	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	791386	46.068	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	774682	47.718	ug/l	98
89) n-Butylbenzene	14.80	91	1435272	48.320	ug/l	97
90) Hexachloroethane	15.01	117	431189	49.468	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	666766	46.693	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	55199	45.522	ug/l #	58

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	508660	42.562	ug/l	99
94) Hexachlorobutadiene	16.04	225	403538	47.864	ug/l	97
95) Naphthalene	16.12	128	683923	40.731	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	371323	45.146	ug/l	96

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

