

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080719\
 Data File : VD063415.D
 Acq On : 7 Aug 2019 10:36
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 08 08:03:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1022383	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1407686	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1176673	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	639240	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	527788	46.52	ug/l	0.02
Spiked Amount			Recovery	=	93.04%	
35) Dibromofluoromethane	6.93	113	549079	45.69	ug/l	0.02
Spiked Amount			Recovery	=	91.38%	
50) Toluene-d8	10.42	98	1203155	44.73	ug/l	0.01
Spiked Amount			Recovery	=	89.46%	
62) 4-Bromofluorobenzene	13.56	95	538811	43.96	ug/l	0.00
Spiked Amount			Recovery	=	87.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	570802	45.674	ug/l	98
3) Chloromethane	1.75	50	439003	45.213	ug/l	98
4) Vinyl Chloride	1.85	62	474858	47.242	ug/l	99
5) Bromomethane	2.16	94	234584	46.274	ug/l	99
6) Chloroethane	2.26	64	231897	49.969	ug/l	94
7) Trichlorofluoromethane	2.53	101	1024399	52.533	ug/l	97
8) Diethyl Ether	2.88	74	121214	44.415	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	543246	50.292	ug/l	97
10) Methyl Iodide	3.31	142	713629	45.732	ug/l	97
11) Tert butyl alcohol	4.08	59	108718	218.378	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	404958	51.067	ug/l	85
13) Acrolein	3.03	56	98221	205.000	ug/l	97
14) Allyl chloride	3.62	41	568513	45.003	ug/l	84
15) Acrylonitrile	4.20	53	308062	238.678	ug/l	99
16) Acetone	3.23	43	655175	296.417	ug/l	96
17) Carbon Disulfide	3.38	76	1137479	42.855	ug/l	97
18) Methyl Acetate	3.65	43	198668	46.793	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	930653	51.955	ug/l	94
20) Methylene Chloride	3.82	84	426985	47.791	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	444566	49.964	ug/l	89
22) Diisopropyl ether	5.13	45	1250918	49.563	ug/l	99
23) Vinyl Acetate	5.07	43	3965351	255.592	ug/l	98
24) 1,1-Dichloroethane	4.99	63	790779	49.052	ug/l	97
25) 2-Butanone	6.08	43	599715	270.356	ug/l #	91
26) 2,2-Dichloropropane	6.03	77	911500	54.864	ug/l	92
27) cis-1,2-Dichloroethene	6.04	96	488901	51.249	ug/l	94
28) Bromochloromethane	6.45	49	336203	52.342	ug/l #	99
29) Tetrahydrofuran	6.47	42	251008	239.004	ug/l	97
30) Chloroform	6.67	83	1018752	50.920	ug/l	96
31) Cyclohexane	6.96	56	486335	48.128	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	1029777	53.213	ug/l	99
36) 1,1-Dichloropropene	7.15	75	633535	49.314	ug/l	98
37) Ethyl Acetate	6.19	43	280456	48.592	ug/l	99
38) Carbon Tetrachloride	7.12	117	985900	50.976	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	500093	46.722	ug/l	95
40) Benzene	7.46	78	1406310	52.231	ug/l	99
41) Methacrylonitrile	6.45	41	344908	49.958	ug/l #	81
42) 1,2-Dichloroethane	7.58	62	772803	54.158	ug/l	100
43) Isopropyl Acetate	9.24	43	373307	50.634	ug/l #	99
44) Trichloroethene	8.55	130	556571	51.014	ug/l	92
45) 1,2-Dichloropropane	8.95	63	340810	49.800	ug/l	98
46) Dibromomethane	9.07	93	296951	52.185	ug/l	96
47) Bromodichloromethane	9.38	83	781692	53.890	ug/l	97
48) Methyl methacrylate	9.13	41	260841	54.551	ug/l	94
49) 1,4-Dioxane	9.09	88	43321	1069.797	ug/l	96
51) 4-Methyl-2-Pentanone	10.31	43	1269272	253.146	ug/l	96
52) Toluene	10.51	92	976525	54.531	ug/l	92
53) t-1,3-Dichloropropene	10.92	75	658267	52.638	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	702090	53.420	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	326965	54.061	ug/l	98
56) Ethyl methacrylate	11.05	69	343085	51.804	ug/l	99
57) 1,3-Dichloropropane	11.41	76	500181	52.489	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	777492	225.616	ug/l	97
59) 2-Hexanone	11.54	43	1026198	284.006	ug/l	97
60) Dibromochloromethane	11.70	129	630666	55.236	ug/l	99
61) 1,2-Dibromoethane	11.81	107	391834	52.504	ug/l	100
64) Tetrachloroethene	11.26	164	489406	52.208	ug/l	97
65) Chlorobenzene	12.40	112	1223680	54.067	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	547848	54.953	ug/l	98
67) Ethyl Benzene	12.53	91	2069977	53.839	ug/l	99
68) m/p-Xylenes	12.67	106	1435847	101.833	ug/l	94
69) o-Xylene	13.05	106	701468	54.175	ug/l	94
70) Styrene	13.07	104	1192666	51.939	ug/l	96
71) Bromoform	13.24	173	403036	55.591	ug/l	97
73) Isopropylbenzene	13.41	105	2091452	52.129	ug/l	97
74) N-amyl acetate	13.27	43	564037	53.180	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	342918	50.318	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	381751	49.720	ug/l	97
77) Bromobenzene	13.67	156	575807	50.381	ug/l	91
78) n-propylbenzene	13.78	91	2371038	49.661	ug/l	97
79) 2-Chlorotoluene	13.84	91	1344829	48.612	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1739440	50.267	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	103623	48.602	ug/l	94
82) 4-Chlorotoluene	13.95	91	1646454	50.570	ug/l	95
83) tert-Butylbenzene	14.20	119	1928008	48.797	ug/l	94
84) 1,2,4-Trimethylbenzene	14.25	105	1682865	47.018	ug/l	98
85) sec-Butylbenzene	14.37	105	2058071	49.439	ug/l	99
86) p-Isopropyltoluene	14.49	119	1927437	48.511	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1076290	53.176	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	979070	47.836	ug/l	98
89) n-Butylbenzene	14.81	91	1821582	53.082	ug/l	97
90) Hexachloroethane	15.01	117	543497	52.504	ug/l	91
91) 1,2-Dichlorobenzene	14.82	146	908881	51.539	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	68978	49.689	ug/l #	50

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	693856	49.597	ug/l	97
94) Hexachlorobutadiene	16.04	225	486234	47.961	ug/l	98
95) Naphthalene	16.13	128	952236	48.158	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	541791	49.023	ug/l	99

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

