

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\
 Data File : VD063391.D
 Acq On : 5 Aug 2019 20:00
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 06 07:52:41 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	7.04	168	937708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1288726	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1107746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	611774	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	527304	50.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.36%	
35) Dibromofluoromethane	6.92	113	564924	51.34	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.68%	
50) Toluene-d8	10.41	98	1265445	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	13.56	95	562286	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	497870	43.436	ug/l	99
3) Chloromethane	1.75	50	408149	45.831	ug/l #	87
4) Vinyl Chloride	1.84	62	406202	44.061	ug/l	98
5) Bromomethane	2.15	94	220960	47.522	ug/l	97
6) Chloroethane	2.26	64	207095	48.655	ug/l	94
7) Trichlorofluoromethane	2.52	101	887870	49.643	ug/l	98
8) Diethyl Ether	2.87	74	131845	52.673	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.14	101	454192	45.844	ug/l	91
10) Methyl Iodide	3.29	142	682235	47.668	ug/l	96
11) Tert butyl alcohol	4.08	59	115596	253.160	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	327741	45.061	ug/l	82
13) Acrolein	3.04	56	103921	236.482	ug/l	97
14) Allyl chloride	3.62	41	541967	46.776	ug/l	96
15) Acrylonitrile	4.20	53	324135	273.808	ug/l	99
16) Acetone	3.22	43	494736	244.042	ug/l	98
17) Carbon Disulfide	3.37	76	1074370	44.132	ug/l	100
18) Methyl Acetate	3.64	43	217687	55.903	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	896671	54.578	ug/l	99
20) Methylene Chloride	3.80	84	395212	48.229	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	409181	50.140	ug/l	98
22) Diisopropyl ether	5.12	45	1232114	53.226	ug/l	96
23) Vinyl Acetate	5.05	43	3819604	268.429	ug/l	99
24) 1,1-Dichloroethane	4.97	63	743985	50.316	ug/l	95
25) 2-Butanone	6.07	43	517670	254.443	ug/l	96
26) 2,2-Dichloropropane	6.02	77	730013	47.908	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	451986	51.658	ug/l	94
28) Bromochloromethane	6.43	49	296165	50.272	ug/l	99
29) Tetrahydrofuran	6.46	42	259508	269.411	ug/l	97
30) Chloroform	6.66	83	961634	52.405	ug/l	91
31) Cyclohexane	6.95	56	435601	47.000	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	887948	50.028	ug/l	98
36) 1,1-Dichloropropene	7.14	75	609372	51.812	ug/l	99
37) Ethyl Acetate	6.19	43	257582	48.749	ug/l #	96
38) Carbon Tetrachloride	7.11	117	947890	53.534	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	481213	49.108	ug/l	92
40) Benzene	7.46	78	1283364	52.065	ug/l	100
41) Methacrylonitrile	6.44	41	344983	54.581	ug/l #	86
42) 1,2-Dichloroethane	7.57	62	705018	53.968	ug/l	100
43) Isopropyl Acetate	9.24	43	362749	53.744	ug/l #	99
44) Trichloroethene	8.54	130	498922	49.951	ug/l	96
45) 1,2-Dichloropropane	8.93	63	322292	51.441	ug/l	97
46) Dibromomethane	9.06	93	279503	53.653	ug/l	96
47) Bromodichloromethane	9.37	83	707813	53.301	ug/l	99
48) Methyl methacrylate	9.12	41	242924	55.494	ug/l	97
49) 1,4-Dioxane	9.08	88	43397	1170.988	ug/l #	79
51) 4-Methyl-2-Pentanone	10.30	43	1312161	285.857	ug/l	99
52) Toluene	10.51	92	868045	52.948	ug/l	92
53) t-1,3-Dichloropropene	10.91	75	564689	49.324	ug/l	93
54) cis-1,3-Dichloropropene	10.03	75	671450	55.804	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	293354	52.981	ug/l	95
56) Ethyl methacrylate	11.04	69	338607	55.847	ug/l	98
57) 1,3-Dichloropropane	11.41	76	476893	54.665	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	821326	260.336	ug/l	99
59) 2-Hexanone	11.53	43	921180	278.475	ug/l	99
60) Dibromochloromethane	11.69	129	569080	54.443	ug/l	96
61) 1,2-Dibromoethane	11.81	107	376325	55.081	ug/l	100
64) Tetrachloroethene	11.26	164	439401	49.790	ug/l	97
65) Chlorobenzene	12.40	112	1025643	48.137	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	511906	54.542	ug/l	98
67) Ethyl Benzene	12.53	91	1838226	50.786	ug/l	99
68) m/p-Xylenes	12.66	106	1323042	99.671	ug/l	97
69) o-Xylene	13.05	106	634181	52.026	ug/l	97
70) Styrene	13.08	104	1156706	53.508	ug/l	100
71) Bromoform	13.23	173	365553	53.559	ug/l	98
73) Isopropylbenzene	13.40	105	1820011	47.400	ug/l	100
74) N-amyl acetate	13.26	43	544294	53.622	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	343819	52.715	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	373598	50.842	ug/l	94
77) Bromobenzene	13.67	156	533266	48.753	ug/l	96
78) n-propylbenzene	13.78	91	2243785	49.105	ug/l	99
79) 2-Chlorotoluene	13.84	91	1294158	48.880	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	1688452	50.984	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	99773	48.898	ug/l	86
82) 4-Chlorotoluene	13.94	91	1600622	51.370	ug/l	89
83) tert-Butylbenzene	14.19	119	1791275	47.371	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1405181	41.022	ug/l	98
85) sec-Butylbenzene	14.37	105	1752296	43.984	ug/l	100
86) p-Isopropyltoluene	14.49	119	1828608	48.090	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	951859	49.140	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	945101	48.250	ug/l	96
89) n-Butylbenzene	14.80	91	1585016	48.262	ug/l	99
90) Hexachloroethane	15.01	117	463831	46.819	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	831881	49.290	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	68305	51.413	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	704035	52.584	ug/l	97
94) Hexachlorobutadiene	16.04	225	465006	47.926	ug/l	98
95) Naphthalene	16.12	128	954123	50.420	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	538832	50.944	ug/l	98

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

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