

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
 Data File : VD061904.D
 Acq On : 19 Apr 2019 12:01
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 19 12:24:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	641437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1059184	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	810155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	386945	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	246957	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	
35) Dibromofluoromethane	6.93	113	371481	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
50) Toluene-d8	10.41	98	842569	44.44	ug/l	0.00
Spiked Amount			Recovery	=	88.88%	
62) 4-Bromofluorobenzene	13.56	95	361206	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	304819	48.688	ug/l	98
3) Chloromethane	1.75	50	237446	47.590	ug/l	100
4) Vinyl Chloride	1.85	62	227688	45.981	ug/l	99
5) Bromomethane	2.14	94	52562	47.227	ug/l	93
6) Chloroethane	2.26	64	90195	53.393	ug/l	99
7) Trichlorofluoromethane	2.53	101	341839	42.565	ug/l	97
8) Diethyl Ether	2.87	74	93082	44.226	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.15	101	356294	49.756	ug/l	97
10) Methyl Iodide	3.31	142	512147	45.166	ug/l	98
11) Tert butyl alcohol	4.06	59	85737	270.441	ug/l	99
12) 1,1-Dichloroethene	3.13	96	308173	51.191	ug/l	99
13) Acrolein	3.04	56	69770	227.331	ug/l	98
14) Allyl chloride	3.62	41	399185	48.648	ug/l	96
15) Acrylonitrile	4.20	53	254542	255.752	ug/l	98
16) Acetone	3.22	43	384202	289.976	ug/l	95
17) Carbon Disulfide	3.38	76	860481	44.238	ug/l	99
18) Methyl Acetate	3.64	43	122102	45.979	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	555535	49.449	ug/l	99
20) Methylene Chloride	3.82	84	320415	48.516	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	326848	49.403	ug/l	99
22) Diisopropyl ether	5.13	45	892078	50.859	ug/l	98
23) Vinyl Acetate	5.06	43	2427557	258.900	ug/l	98
24) 1,1-Dichloroethane	4.99	63	533073	50.126	ug/l	99
25) 2-Butanone	6.07	43	415247	275.288	ug/l	100
26) 2,2-Dichloropropane	6.02	77	480485	52.272	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	357894	49.902	ug/l	96
28) Bromochloromethane	6.45	49	197363	48.859	ug/l	97
29) Tetrahydrofuran	6.47	42	206353	280.841	ug/l	99
30) Chloroform	6.67	83	601244	50.688	ug/l	99
31) Cyclohexane	6.97	56	410508	50.424	ug/l	100
32) 1,1,1-Trichloroethane	6.88	97	523854	49.821	ug/l	96
36) 1,1-Dichloropropene	7.15	75	412829	47.697	ug/l	96
37) Ethyl Acetate	6.19	43	199606	53.884	ug/l #	94
38) Carbon Tetrachloride	7.11	117	571862	52.325	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	423132	47.078	ug/l	98
40) Benzene	7.46	78	958924	46.148	ug/l	98
41) Methacrylonitrile	6.46	41	232336	53.064	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	356877	49.313	ug/l	97
43) Isopropyl Acetate	9.24	43	272148	52.206	ug/l #	97
44) Trichloroethene	8.55	130	390322	48.795	ug/l	98
45) 1,2-Dichloropropane	8.95	63	258437	47.748	ug/l	98
46) Dibromomethane	9.07	93	185466	48.090	ug/l	95
47) Bromodichloromethane	9.38	83	439499	49.397	ug/l	99
48) Methyl methacrylate	9.13	41	153165	49.985	ug/l	96
49) 1,4-Dioxane	9.09	88	33946	1013.543	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	837891	262.835	ug/l	99
52) Toluene	10.52	92	656657	49.314	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	365204	45.553	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	475992	50.580	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	213177	47.510	ug/l	96
56) Ethyl methacrylate	11.05	69	237839	48.296	ug/l	99
57) 1,3-Dichloropropane	11.42	76	331262	49.107	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	511731	218.466	ug/l	99
59) 2-Hexanone	11.53	43	588042	248.357	ug/l	99
60) Dibromochloromethane	11.69	129	366373	49.902	ug/l	98
61) 1,2-Dibromoethane	11.81	107	269091	48.773	ug/l	93
64) Tetrachloroethene	11.27	164	298579	49.142	ug/l	97
65) Chlorobenzene	12.41	112	820732	54.397	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	313092	49.518	ug/l	98
67) Ethyl Benzene	12.53	91	1174096	48.592	ug/l	97
68) m/p-Xylenes	12.68	106	860243	94.782	ug/l	100
69) o-Xylene	13.05	106	432354	50.682	ug/l	96
70) Styrene	13.08	104	708853	48.286	ug/l	99
71) Bromoform	13.24	173	208858	55.650	ug/l	99
73) Isopropylbenzene	13.41	105	1171025	46.664	ug/l	99
74) N-amyl acetate	13.27	43	329039	48.760	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	262139	52.847	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	263685	51.890	ug/l	99
77) Bromobenzene	13.67	156	365431	51.264	ug/l	79
78) n-propylbenzene	13.78	91	1541714	53.175	ug/l	99
79) 2-Chlorotoluene	13.85	91	763815	45.097	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	933282	46.871	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	74990	45.826	ug/l	92
82) 4-Chlorotoluene	13.96	91	906300	46.749	ug/l	99
83) tert-Butylbenzene	14.19	119	1077533	46.088	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	1010565	50.490	ug/l	99
85) sec-Butylbenzene	14.37	105	1215974	50.310	ug/l	98
86) p-Isopropyltoluene	14.50	119	1186499	52.467	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	693336	55.714	ug/l	100
88) 1,4-Dichlorobenzene	14.55	146	610157	49.600	ug/l	95
89) n-Butylbenzene	14.80	91	1038843	51.897	ug/l	96
90) Hexachloroethane	15.01	117	320880	52.060	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	534186	51.245	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	35613	50.866	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	333048	58.172	ug/l	96
94) Hexachlorobutadiene	16.04	225	230623	55.585	ug/l	98
95) Naphthalene	16.13	128	552902	63.006	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	229232	70.260	ug/l	97

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

