

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062955.D
 Acq On : 28 Jun 2019 9:50
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 29 00:23:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	828593	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	1111750	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	958086	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	526855	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	456594	50.70	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.40%	
35) Dibromofluoromethane	6.89	113	475949	50.77	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.54%	
50) Toluene-d8	10.39	98	1071272	52.51	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.02%	
62) 4-Bromofluorobenzene	13.54	95	456160	49.17	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	506853	47.271	ug/l	99
3) Chloromethane	1.75	50	394959	48.979	ug/l	99
4) Vinyl Chloride	1.83	62	412195	51.555	ug/l	97
5) Bromomethane	2.13	94	161009	43.001	ug/l	98
6) Chloroethane	2.25	64	201721	55.728	ug/l	94
7) Trichlorofluoromethane	2.51	101	892137	55.136	ug/l	96
8) Diethyl Ether	2.86	74	109704	53.361	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.12	101	450561	51.399	ug/l	94
10) Methyl Iodide	3.27	142	585810	50.654	ug/l	97
11) Tert butyl alcohol	4.06	59	112693	274.723	ug/l	95
12) 1,1-Dichloroethene	3.10	96	350333	53.275	ug/l	90
13) Acrolein	3.02	56	105074	250.909	ug/l	86
14) Allyl chloride	3.59	41	551666	56.775	ug/l	96
15) Acrylonitrile	4.17	53	274772	285.071	ug/l	95
16) Acetone	3.19	43	543156	298.743	ug/l	98
17) Carbon Disulfide	3.35	76	1052365	50.073	ug/l	96
18) Methyl Acetate	3.62	43	143174	52.659	ug/l	94
19) Methyl tert-butyl Ether	4.22	73	852243	59.866	ug/l	94
20) Methylene Chloride	3.78	84	358462	52.186	ug/l	90
21) trans-1,2-Dichloroethene	4.19	96	385641	55.076	ug/l	96
22) Diisopropyl ether	5.09	45	1115277	56.440	ug/l	96
23) Vinyl Acetate	5.02	43	3580950	289.604	ug/l	100
24) 1,1-Dichloroethane	4.94	63	702259	54.584	ug/l	97
25) 2-Butanone	6.05	43	489742	290.730	ug/l #	92
26) 2,2-Dichloropropane	5.99	77	816909	59.904	ug/l	99
27) cis-1,2-Dichloroethene	6.00	96	416366	56.231	ug/l	83
28) Bromochloromethane	6.40	49	269925	59.569	ug/l #	80
29) Tetrahydrofuran	6.43	42	221566	277.995	ug/l	96
30) Chloroform	6.64	83	911526	58.257	ug/l	94
31) Cyclohexane	6.92	56	451282	53.356	ug/l	98
32) 1,1,1-Trichloroethane	6.84	97	875887	53.745	ug/l	93
36) 1,1-Dichloropropene	7.11	75	604095	57.400	ug/l	95
37) Ethyl Acetate	6.16	43	241281	54.680	ug/l	99
38) Carbon Tetrachloride	7.08	117	871860m	55.083	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	527287	56.919	ug/l	99
40) Benzene	7.43	78	1201504	56.875	ug/l	97
41) Methacrylonitrile	6.42	41	304682	54.897	ug/l #	94
42) 1,2-Dichloroethane	7.55	62	698884	60.644	ug/l	99
43) Isopropyl Acetate	9.22	43	349102	63.272	ug/l	96
44) Trichloroethene	8.51	130	452152	54.594	ug/l	97
45) 1,2-Dichloropropane	8.91	63	292879	55.755	ug/l	100
46) Dibromomethane	9.04	93	246238	54.569	ug/l	92
47) Bromodichloromethane	9.36	83	685181	58.467	ug/l	98
48) Methyl methacrylate	9.10	41	223206	56.927	ug/l	96
49) 1,4-Dioxane	9.07	88	37915	1162.298	ug/l #	91
51) 4-Methyl-2-Pentanone	10.28	43	1161542	296.926	ug/l	99
52) Toluene	10.49	92	815751	57.445	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	536077	55.888	ug/l	98
54) cis-1,3-Dichloropropene	10.01	75	600558	57.604	ug/l	90
55) 1,1,2-Trichloroethane	11.17	97	260335	53.361	ug/l	95
56) Ethyl methacrylate	11.02	69	302473	58.013	ug/l	96
57) 1,3-Dichloropropane	11.38	76	411655	55.106	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	797594	297.973	ug/l	99
59) 2-Hexanone	11.51	43	876329	314.546	ug/l	100
60) Dibromochloromethane	11.67	129	499910	55.011	ug/l	99
61) 1,2-Dibromoethane	11.79	107	323221	56.094	ug/l	100
64) Tetrachloroethene	11.24	164	446919	56.678	ug/l	96
65) Chlorobenzene	12.39	112	999391	56.205	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	447735	53.844	ug/l	88
67) Ethyl Benzene	12.51	91	1786707	55.968	ug/l	99
68) m/p-Xylenes	12.65	106	1288026	115.842	ug/l	98
69) o-Xylene	13.04	106	595404	58.578	ug/l	95
70) Styrene	13.06	104	1089296	61.014	ug/l	98
71) Bromoform	13.22	173	337890	59.307	ug/l	96
73) Isopropylbenzene	13.39	105	1764107	52.222	ug/l	99
74) N-amyl acetate	13.25	43	501965	61.188	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	312307	56.741	ug/l	95
76) 1,2,3-Trichloropropane	13.72	75	338852	55.712	ug/l	96
77) Bromobenzene	13.66	156	513279	56.491	ug/l	98
78) n-propylbenzene	13.77	91	2050756	52.158	ug/l	98
79) 2-Chlorotoluene	13.82	91	1197256	53.284	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	1592810	56.135	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	87553	54.925	ug/l	94
82) 4-Chlorotoluene	13.93	91	1478444	54.654	ug/l	97
83) tert-Butylbenzene	14.18	119	1781181	56.317	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1499849	51.572	ug/l	100
85) sec-Butylbenzene	14.36	105	1893427	55.081	ug/l	99
86) p-Isopropyltoluene	14.48	119	1785434	56.774	ug/l	95
87) 1,3-Dichlorobenzene	14.44	146	933266	57.299	ug/l	99
88) 1,4-Dichlorobenzene	14.52	146	878425	53.696	ug/l	97
89) n-Butylbenzene	14.79	91	1665415	56.581	ug/l	94
90) Hexachloroethane	15.00	117	472914	55.930	ug/l	90
91) 1,2-Dichlorobenzene	14.80	146	787093	56.482	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	62166	57.867	ug/l	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	610933	56.123	ug/l	96
94) Hexachlorobutadiene	16.03	225	428875	51.571	ug/l	99
95) Naphthalene	16.11	128	874045	57.287	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	453249	54.191	ug/l	97

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

