

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061319\
 Data File : VD062686.D
 Acq On : 13 Jun 2019 11:16
 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 14 06:52:03 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	7.06	168	788280	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1045269	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	894451	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	464210	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	559888	49.22	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	6.94	113	552091	50.08	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.43	98	1167457	50.34	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	13.57	95	561615	51.91	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.82%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.59	85	391687	42.346	ug/l 94
3) Chloromethane	1.75	50	341172	43.742	ug/l 97
4) Vinyl Chloride	1.85	62	361859	44.991	ug/l 96
5) Bromomethane	2.17	94	203328	50.083	ug/l 96
6) Chloroethane	2.27	64	183935	46.321	ug/l # 88
7) Trichlorofluoromethane	2.54	101	792912	44.045	ug/l 100
8) Diethyl Ether	2.88	74	107487	43.900	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.16	101	440512	45.373	ug/l 93
10) Methyl Iodide	3.32	142	568627	41.121	ug/l 97
11) Tert butyl alcohol	4.10	59	115194	246.372	ug/l # 81
12) 1,1-Dichloroethene	3.14	96	330850	47.486	ug/l 97
13) Acrolein	3.04	56	33998	226.050	ug/l 98
14) Allyl chloride	3.63	41	522192	48.744	ug/l 93
15) Acrylonitrile	4.21	53	256056	240.995	ug/l 98
16) Acetone	3.23	43	538277	258.425	ug/l 100
17) Carbon Disulfide	3.39	76	933255	45.455	ug/l 100
18) Methyl Acetate	3.65	43	147582	43.114	ug/l # 87
19) Methyl tert-butyl Ether	4.25	73	793233	46.681	ug/l 99
20) Methylene Chloride	3.83	84	323791	41.065	ug/l 92
21) trans-1,2-Dichloroethene	4.23	96	350448	45.855	ug/l 97
22) Diisopropyl ether	5.14	45	1054525	47.407	ug/l 98
23) Vinyl Acetate	5.07	43	3487558	252.723	ug/l 97
24) 1,1-Dichloroethane	5.00	63	699545	48.885	ug/l 97
25) 2-Butanone	6.09	43	483967	238.166	ug/l 100
26) 2,2-Dichloropropane	6.04	77	806995	48.931	ug/l 97
27) cis-1,2-Dichloroethene	6.05	96	385773	46.562	ug/l 99
28) Bromochloromethane	6.45	49	290680	53.139	ug/l 91
29) Tetrahydrofuran	6.48	42	216548	236.639	ug/l 99
30) Chloroform	6.67	83	892621	48.617	ug/l 94
31) Cyclohexane	6.97	56	416721	46.423	ug/l 93
32) 1,1,1-Trichloroethane	6.88	97	886208	48.508	ug/l 99
36) 1,1-Dichloropropene	7.16	75	592646	49.540	ug/l 99
37) Ethyl Acetate	6.20	43	224478	44.152	ug/l # 91
38) Carbon Tetrachloride	7.13	117	911234m	48.191	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	452246	46.781	ug/l	97
40) Benzene	7.47	78	1129495	48.346	ug/l	98
41) Methacrylonitrile	6.47	41	308615	49.281	ug/l	100
42) 1,2-Dichloroethane	7.59	62	680588	48.875	ug/l	97
43) Isopropyl Acetate	9.25	43	322012	51.014	ug/l #	91
44) Trichloroethene	8.56	130	468593	49.405	ug/l	94
45) 1,2-Dichloropropane	8.95	63	270233	48.155	ug/l	94
46) Dibromomethane	9.08	93	250563	50.302	ug/l	91
47) Bromodichloromethane	9.39	83	679841	50.172	ug/l	97
48) Methyl methacrylate	9.14	41	221758	48.628	ug/l	92
49) 1,4-Dioxane	9.10	88	36216	893.391	ug/l #	86
51) 4-Methyl-2-Pentanone	10.32	43	1057152	239.348	ug/l	100
52) Toluene	10.52	92	774230	49.301	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	561194	50.514	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	602977	52.514	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	266037	49.398	ug/l	96
56) Ethyl methacrylate	11.06	69	284047	44.264	ug/l	97
57) 1,3-Dichloropropane	11.42	76	436004	52.233	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	680414	236.382	ug/l	95
59) 2-Hexanone	11.55	43	872512	265.566	ug/l	100
60) Dibromochloromethane	11.70	129	506339	47.627	ug/l	98
61) 1,2-Dibromoethane	11.81	107	317007	49.182	ug/l	99
64) Tetrachloroethene	11.27	164	383957	45.856	ug/l	98
65) Chlorobenzene	12.40	112	959451	48.494	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	453716	48.083	ug/l	97
67) Ethyl Benzene	12.53	91	1672253	47.671	ug/l	100
68) m/p-Xylenes	12.68	106	1195381	96.932	ug/l	98
69) o-Xylene	13.05	106	575413	50.805	ug/l	99
70) Styrene	13.08	104	998747	49.422	ug/l	96
71) Bromoform	13.24	173	319203	44.431	ug/l #	98
73) Isopropylbenzene	13.41	105	1711139	52.297	ug/l	97
74) N-amyl acetate	13.27	43	435216	49.217	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	295287	52.743	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	337405	53.605	ug/l	97
77) Bromobenzene	13.67	156	470652	50.327	ug/l	87
78) n-propylbenzene	13.78	91	1940703	48.456	ug/l	100
79) 2-Chlorotoluene	13.85	91	1127432	48.077	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	1492340	51.607	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	84863	45.817	ug/l	99
82) 4-Chlorotoluene	13.95	91	1450947	51.738	ug/l	93
83) tert-Butylbenzene	14.20	119	1624944	50.948	ug/l	92
84) 1,2,4-Trimethylbenzene	14.25	105	1437452	50.205	ug/l	100
85) sec-Butylbenzene	14.37	105	1524462	45.582	ug/l	96
86) p-Isopropyltoluene	14.50	119	1580031	48.523	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	844752	49.862	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	782588	48.878	ug/l	98
89) n-Butylbenzene	14.81	91	1463265	49.950	ug/l	97
90) Hexachloroethane	15.01	117	410810	47.788	ug/l	93
91) 1,2-Dichlorobenzene	14.82	146	689940	48.991	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	63886	53.422	ug/l #	57

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	498771	42.338	ug/l	96
94) Hexachlorobutadiene	16.05	225	417094	50.163	ug/l	98
95) Naphthalene	16.13	128	715330	42.988	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	425953	52.511	ug/l	98

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

