

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
 Data File : VD062780.D
 Acq On : 19 Jun 2019 15:40
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Jun 20 01:47:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:31:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	927075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1253603	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1107489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	592362	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	479234	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	6.93	113	484281	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
50) Toluene-d8	10.42	98	1132303	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	13.56	95	495747	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	593044	49.385	ug/l	100
3) Chloromethane	1.74	50	431574	47.786	ug/l	100
4) Vinyl Chloride	1.84	62	456400	50.971	ug/l	100
5) Bromomethane	2.16	94	240536	57.361	ug/l	100
6) Chloroethane	2.27	64	216599	53.429	ug/l	100
7) Trichlorofluoromethane	2.53	101	925531	51.074	ug/l	100
8) Diethyl Ether	2.88	74	129494	56.243	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	485125	49.416	ug/l	100
10) Methyl Iodide	3.31	142	683421	52.772	ug/l	100
11) Tert butyl alcohol	4.09	59	108370	235.879	ug/l	100
12) 1,1-Dichloroethene	3.13	96	366523	49.768	ug/l	100
13) Acrolein	3.03	56	110321	235.224	ug/l	100
14) Allyl chloride	3.62	41	569610	52.402	ug/l	100
15) Acrylonitrile	4.20	53	275252	255.000	ug/l	100
16) Acetone	3.23	43	512949	227.241	ug/l	100
17) Carbon Disulfide	3.38	76	1203330	51.196	ug/l	100
18) Methyl Acetate	3.64	43	148419	48.743	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	855117	53.638	ug/l	100
20) Methylene Chloride	3.82	84	378902	49.254	ug/l	100
21) trans-1,2-Dichloroethene	4.22	96	398457	50.814	ug/l	100
22) Diisopropyl ether	5.13	45	1120289	50.624	ug/l	100
23) Vinyl Acetate	5.06	43	3575761	257.719	ug/l	100
24) 1,1-Dichloroethane	4.99	63	743363	51.593	ug/l	100
25) 2-Butanone	6.08	43	484221	256.686	ug/l	100
26) 2,2-Dichloropropane	6.03	77	796058	52.125	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	422211	50.915	ug/l	100
28) Bromochloromethane	6.45	49	253554	49.965	ug/l	100
29) Tetrahydrofuran	6.47	42	222431	249.204	ug/l	100
30) Chloroform	6.68	83	901018	51.420	ug/l	100
31) Cyclohexane	6.96	56	483383	51.034	ug/l	100
32) 1,1,1-Trichloroethane	6.87	97	958961	52.543	ug/l	100
36) 1,1-Dichloropropene	7.15	75	615997	51.908	ug/l	100
37) Ethyl Acetate	6.19	43	248882	45.796	ug/l	100
38) Carbon Tetrachloride	7.12	117	912035m	50.181	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	538496	51.551	ug/l	100
40) Benzene	7.46	78	1228584	51.576	ug/l	100
41) Methacrylonitrile	6.45	41	315613	50.431	ug/l	100
42) 1,2-Dichloroethane	7.58	62	681474	52.442	ug/l	100
43) Isopropyl Acetate	9.24	43	330145	53.065	ug/l	100
44) Trichloroethene	8.55	130	485969	52.037	ug/l	100
45) 1,2-Dichloropropane	8.95	63	297148	50.166	ug/l	100
46) Dibromomethane	9.07	93	255097	50.136	ug/l	100
47) Bromodichloromethane	9.38	83	713886	54.023	ug/l	100
48) Methyl methacrylate	9.13	41	215713	48.790	ug/l	100
49) 1,4-Dioxane	9.10	88	37009	1006.146	ug/l	100
51) 4-Methyl-2-Pentanone	10.31	43	1095064	248.256	ug/l	100
52) Toluene	10.51	92	828153	51.719	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	551697	51.008	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	609127	51.815	ug/l	100
55) 1,1,2-Trichloroethane	11.19	97	267445	48.615	ug/l	100
56) Ethyl methacrylate	11.05	69	303780	51.671	ug/l	100
57) 1,3-Dichloropropane	11.41	76	431356	51.210	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	745609	247.032	ug/l	100
59) 2-Hexanone	11.54	43	809762	257.764	ug/l	100
60) Dibromochloromethane	11.70	129	522409	50.982	ug/l	100
61) 1,2-Dibromoethane	11.81	107	330059	50.799	ug/l	100
64) Tetrachloroethene	11.26	164	441628	48.451	ug/l	100
65) Chlorobenzene	12.40	112	1046998	50.939	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	483316	50.282	ug/l	100
67) Ethyl Benzene	12.53	91	1791683	48.552	ug/l	100
68) m/p-Xylenes	12.67	106	1311623	102.051	ug/l	100
69) o-Xylene	13.05	106	617895	52.590	ug/l	100
70) Styrene	13.07	104	1053483	51.048	ug/l	100
71) Bromoform	13.24	173	333649	50.663	ug/l	100
73) Isopropylbenzene	13.41	105	1876806	49.414	ug/l	100
74) N-amyl acetate	13.27	43	486980	52.797	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	293026	47.351	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	341206	49.896	ug/l	100
77) Bromobenzene	13.67	156	526011	51.490	ug/l	100
78) n-propylbenzene	13.78	91	2105338	47.625	ug/l	100
79) 2-Chlorotoluene	13.84	91	1249349	49.498	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	1551928	48.646	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	88940	49.625	ug/l	100
82) 4-Chlorotoluene	13.95	91	1467855	48.262	ug/l	100
83) tert-Butylbenzene	14.20	119	1778399	50.011	ug/l	100
84) 1,2,4-Trimethylbenzene	14.25	105	1666437	50.963	ug/l	100
85) sec-Butylbenzene	14.37	105	1865969	48.279	ug/l	100
86) p-Isopropyltoluene	14.49	119	1831444	51.797	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	915866	50.013	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	917628	49.890	ug/l	100
89) n-Butylbenzene	14.80	91	1583586	47.851	ug/l	100
90) Hexachloroethane	15.01	117	493887	51.951	ug/l	100
91) 1,2-Dichlorobenzene	14.82	146	772004	49.273	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	62058	51.379	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	587408	47.994	ug/l	100
94) Hexachlorobutadiene	16.04	225	461235	49.329	ug/l	100
95) Naphthalene	16.13	128	878861	51.232	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	460557	48.976	ug/l	100

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

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