

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063593.D
 Acq On : 14 Aug 2019 23:56
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 15 12:04:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	939304	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1411583	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1208073	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	608619	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	558262	55.60	ug/l	-0.02
Spiked Amount			Recovery	=	111.20%	
35) Dibromofluoromethane	6.92	113	596966	50.21	ug/l	-0.02
Spiked Amount			Recovery	=	100.42%	
50) Toluene-d8	10.40	98	1400563	53.58	ug/l	-0.02
Spiked Amount			Recovery	=	107.16%	
62) 4-Bromofluorobenzene	13.55	95	579284	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	513923	45.224	ug/l	99
3) Chloromethane	1.75	50	419465	47.244	ug/l	96
4) Vinyl Chloride	1.85	62	409872	46.502	ug/l	97
5) Bromomethane	2.14	94	208744	50.192	ug/l #	92
6) Chloroethane	2.26	64	225399	55.922	ug/l	93
7) Trichlorofluoromethane	2.53	101	881935	51.012	ug/l	99
8) Diethyl Ether	2.87	74	136321	55.847	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.14	101	516856	50.629	ug/l	96
10) Methyl Iodide	3.30	142	786874	54.477	ug/l	97
11) Tert butyl alcohol	4.07	59	135095	309.085	ug/l #	90
12) 1,1-Dichloroethene	3.12	96	391116	51.531	ug/l	98
13) Acrolein	3.03	56	107504	249.879	ug/l	94
14) Allyl chloride	3.61	41	610785	53.531	ug/l	95
15) Acrylonitrile	4.19	53	349528	301.910	ug/l	96
16) Acetone	3.22	43	515572	252.605	ug/l	94
17) Carbon Disulfide	3.36	76	1171256	48.896	ug/l	99
18) Methyl Acetate	3.64	43	215739	55.805	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	923960	60.871	ug/l	95
20) Methylene Chloride	3.81	84	447123	50.662	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	434159	54.358	ug/l	97
22) Diisopropyl ether	5.12	45	1360353	57.778	ug/l	96
23) Vinyl Acetate	5.06	43	4180079	305.387	ug/l	99
24) 1,1-Dichloroethane	4.98	63	806926	55.257	ug/l	99
25) 2-Butanone	6.07	43	580124	287.790	ug/l	93
26) 2,2-Dichloropropane	6.02	77	708482	48.709	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	481979	55.155	ug/l	97
28) Bromochloromethane	6.44	49	321844	54.380	ug/l	87
29) Tetrahydrofuran	6.46	42	289011	307.686	ug/l	99
30) Chloroform	6.66	83	973136	53.612	ug/l	97
31) Cyclohexane	6.95	56	448017	49.419	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	909059	52.355	ug/l	98
36) 1,1-Dichloropropene	7.14	75	630342	50.513	ug/l	95
37) Ethyl Acetate	6.18	43	286187	54.731	ug/l	97
38) Carbon Tetrachloride	7.10	117	950356	50.532	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	499753	47.097	ug/l	99
40) Benzene	7.45	78	1392345	50.702	ug/l	96
41) Methacrylonitrile	6.45	41	388112	58.949	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	725219	52.521	ug/l	99
43) Isopropyl Acetate	9.24	43	396611	56.632	ug/l #	94
44) Trichloroethene	8.53	130	527687	50.274	ug/l	98
45) 1,2-Dichloropropane	8.94	63	340431	53.233	ug/l	99
46) Dibromomethane	9.06	93	304889	55.827	ug/l	96
47) Bromodichloromethane	9.37	83	775446	55.355	ug/l	97
48) Methyl methacrylate	9.12	41	266706	56.155	ug/l	95
49) 1,4-Dioxane	9.08	88	43037	1014.374	ug/l #	83
51) 4-Methyl-2-Pentanone	10.30	43	1375103	286.950	ug/l	99
52) Toluene	10.51	92	898015	50.771	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	605388	52.953	ug/l	95
54) cis-1,3-Dichloropropene	10.04	75	683099	52.990	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	326272	54.608	ug/l	97
56) Ethyl methacrylate	11.04	69	369725	57.012	ug/l	97
57) 1,3-Dichloropropane	11.41	76	494469	54.750	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	947596	276.778	ug/l	100
59) 2-Hexanone	11.53	43	1017145	291.706	ug/l	95
60) Dibromochloromethane	11.68	129	603206	55.482	ug/l	96
61) 1,2-Dibromoethane	11.80	107	397368	54.938	ug/l	99
64) Tetrachloroethene	11.26	164	494820	53.058	ug/l	94
65) Chlorobenzene	12.40	112	1161243	51.287	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	508500	51.030	ug/l	96
67) Ethyl Benzene	12.52	91	1918834	48.739	ug/l	99
68) m/p-Xylenes	12.67	106	1384969	100.131	ug/l	95
69) o-Xylene	13.05	106	689856	51.820	ug/l	93
70) Styrene	13.07	104	1200600	50.701	ug/l	98
71) Bromoform	13.24	173	390232	57.112	ug/l	98
73) Isopropylbenzene	13.41	105	1957784	50.574	ug/l	99
74) N-amyl acetate	13.27	43	577479	59.425	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	395461	61.547	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	372065	53.267	ug/l	90
77) Bromobenzene	13.67	156	564177	53.325	ug/l	84
78) n-propylbenzene	13.77	91	2124572	46.906	ug/l	95
79) 2-Chlorotoluene	13.84	91	1354177	51.853	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	1721618	50.900	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	103758	55.268	ug/l	89
82) 4-Chlorotoluene	13.95	91	1667741	53.106	ug/l	96
83) tert-Butylbenzene	14.19	119	1974740	55.443	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1790627	57.216	ug/l	93
85) sec-Butylbenzene	14.37	105	1865030	49.307	ug/l	99
86) p-Isopropyltoluene	14.49	119	1884851	52.116	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	980704	51.246	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	994968	54.190	ug/l	98
89) n-Butylbenzene	14.79	91	1622123	49.143	ug/l	92
90) Hexachloroethane	15.01	117	490835	53.995	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	856387	52.745	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	67993	56.199	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	605384	50.671	ug/l	98
94) Hexachlorobutadiene	16.03	225	482996	53.045	ug/l	99
95) Naphthalene	16.12	128	1001210	55.297	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	526504	54.562	ug/l	99

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

