

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063502.D
 Acq On : 12 Aug 2019 22:48
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 13 01:26:56 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	7.04	168	1051639	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1510353	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1257074	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	656637	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	635802	56.56	ug/l	-0.01
Spiked Amount			Recovery	=	113.12%	
35) Dibromofluoromethane	6.93	113	680968	53.53	ug/l	-0.01
Spiked Amount			Recovery	=	107.06%	
50) Toluene-d8	10.41	98	1474534	52.73	ug/l	-0.01
Spiked Amount			Recovery	=	105.46%	
62) 4-Bromofluorobenzene	13.55	95	655601	51.72	ug/l	-0.01
Spiked Amount			Recovery	=	103.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	608155	47.800	ug/l	100
3) Chloromethane	1.75	50	513905	51.698	ug/l	98
4) Vinyl Chloride	1.85	62	521254	52.822	ug/l	94
5) Bromomethane	2.15	94	261336	56.125	ug/l #	97
6) Chloroethane	2.27	64	250740	55.564	ug/l	93
7) Trichlorofluoromethane	2.54	101	1024183	52.912	ug/l	98
8) Diethyl Ether	2.87	74	152729	55.885	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.15	101	611069	53.464	ug/l	97
10) Methyl Iodide	3.30	142	878083	54.297	ug/l	94
11) Tert butyl alcohol	4.07	59	148133	302.712	ug/l #	87
12) 1,1-Dichloroethene	3.13	96	451449	53.126	ug/l	99
13) Acrolein	3.03	56	124663	258.811	ug/l	94
14) Allyl chloride	3.62	41	682091	53.395	ug/l	94
15) Acrylonitrile	4.20	53	365711	282.146	ug/l	98
16) Acetone	3.23	43	572034	250.330	ug/l	100
17) Carbon Disulfide	3.37	76	1364756	50.888	ug/l	99
18) Methyl Acetate	3.65	43	249146	57.562	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	996764	58.652	ug/l	99
20) Methylene Chloride	3.82	84	472476	47.816	ug/l #	92
21) trans-1,2-Dichloroethene	4.22	96	479987	53.676	ug/l	99
22) Diisopropyl ether	5.13	45	1400952	53.146	ug/l	93
23) Vinyl Acetate	5.06	43	4262018	278.113	ug/l	99
24) 1,1-Dichloroethane	4.99	63	911509	55.751	ug/l	99
25) 2-Butanone	6.07	43	611600	270.996	ug/l	98
26) 2,2-Dichloropropane	6.02	77	820137	50.362	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	525458	53.708	ug/l	97
28) Bromochloromethane	6.43	49	367992	55.535	ug/l	98
29) Tetrahydrofuran	6.46	42	302014	287.184	ug/l	100
30) Chloroform	6.66	83	1093639	53.815	ug/l	97
31) Cyclohexane	6.96	56	551276	54.313	ug/l	91
32) 1,1,1-Trichloroethane	6.88	97	1036379	53.312	ug/l	96
36) 1,1-Dichloropropene	7.15	75	724544	54.265	ug/l	97
37) Ethyl Acetate	6.19	43	299405	53.515	ug/l	97
38) Carbon Tetrachloride	7.11	117	1155142	57.405	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	544284	47.939	ug/l	95
40) Benzene	7.46	78	1540299	52.422	ug/l	99
41) Methacrylonitrile	6.45	41	401554	57.002	ug/l	97
42) 1,2-Dichloroethane	7.58	62	836890	56.645	ug/l	99
43) Isopropyl Acetate	9.24	43	428267	57.153	ug/l #	99
44) Trichloroethene	8.54	130	591184	52.640	ug/l	100
45) 1,2-Dichloropropane	8.94	63	370556	54.155	ug/l	92
46) Dibromomethane	9.06	93	332376	56.881	ug/l	95
47) Bromodichloromethane	9.38	83	876937	58.506	ug/l	99
48) Methyl methacrylate	9.12	41	277411	54.589	ug/l	98
49) 1,4-Dioxane	9.08	88	46552	1025.198	ug/l #	78
51) 4-Methyl-2-Pentanone	10.30	43	1499167	292.381	ug/l	97
52) Toluene	10.51	92	1026979	54.265	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	683299	55.860	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	735147	53.299	ug/l	91
55) 1,1,2-Trichloroethane	11.19	97	342187	53.526	ug/l	98
56) Ethyl methacrylate	11.04	69	400724	57.751	ug/l	93
57) 1,3-Dichloropropane	11.41	76	530610	54.910	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	1030093	281.199	ug/l	98
59) 2-Hexanone	11.53	43	987154	264.591	ug/l	96
60) Dibromochloromethane	11.69	129	672102	57.776	ug/l	98
61) 1,2-Dibromoethane	11.81	107	419260	54.174	ug/l	96
64) Tetrachloroethene	11.26	164	524649	54.064	ug/l	98
65) Chlorobenzene	12.40	112	1283050	54.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	562641	54.262	ug/l	96
67) Ethyl Benzene	12.53	91	2120930	51.773	ug/l	98
68) m/p-Xylenes	12.67	106	1516186	105.344	ug/l	95
69) o-Xylene	13.05	106	721979	52.119	ug/l	100
70) Styrene	13.07	104	1264668	51.325	ug/l	96
71) Bromoform	13.24	173	416236	58.543	ug/l	98
73) Isopropylbenzene	13.40	105	2279641	54.582	ug/l	100
74) N-amyl acetate	13.27	43	610291	58.209	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	424179	61.188	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	434624	57.673	ug/l	99
77) Bromobenzene	13.67	156	629966	55.189	ug/l	95
78) n-propylbenzene	13.78	91	2557633	52.338	ug/l	100
79) 2-Chlorotoluene	13.84	91	1468962	52.135	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1780348	48.787	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	108731	53.682	ug/l	99
82) 4-Chlorotoluene	13.95	91	1659765	48.987	ug/l	97
83) tert-Butylbenzene	14.19	119	2046398	53.253	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1846284	54.680	ug/l	97
85) sec-Butylbenzene	14.37	105	2123260	52.029	ug/l	99
86) p-Isopropyltoluene	14.49	119	2034313	52.135	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1111196	53.819	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	1075985	54.317	ug/l	98
89) n-Butylbenzene	14.80	91	1888841	53.038	ug/l	98
90) Hexachloroethane	15.01	117	556612	56.754	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	964196	55.042	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	78056	59.799	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	699476	54.266	ug/l	94
94) Hexachlorobutadiene	16.03	225	532474	54.202	ug/l	96
95) Naphthalene	16.12	128	1104038	56.517	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	588153	56.494	ug/l	98

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

