

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063478.D
 Acq On : 12 Aug 2019 10:43
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 12 12:11:23 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	7.03	168	1282894	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1697861	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1392039	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	722657	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	673227	49.09	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	6.91	113	749962	52.45	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	10.41	98	1598762	50.85	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	13.55	95	768146	53.91	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	712259	45.891	ug/l	92
3) Chloromethane	1.75	50	553814	45.670	ug/l	96
4) Vinyl Chloride	1.84	62	582335	48.374	ug/l	94
5) Bromomethane	2.15	94	274555	48.335	ug/l	98
6) Chloroethane	2.26	64	301531	54.774	ug/l	100
7) Trichlorofluoromethane	2.52	101	1183549	50.123	ug/l	99
8) Diethyl Ether	2.87	74	160889	48.259	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.13	101	687668	49.321	ug/l	98
10) Methyl Iodide	3.29	142	973358	49.339	ug/l	98
11) Tert butyl alcohol	4.07	59	166421	278.780	ug/l #	92
12) 1,1-Dichloroethene	3.12	96	505660	48.779	ug/l	98
13) Acrolein	3.03	56	180087	306.480	ug/l	90
14) Allyl chloride	3.61	41	778243	49.940	ug/l	98
15) Acrylonitrile	4.19	53	396021	250.455	ug/l	96
16) Acetone	3.21	43	840994	301.690	ug/l #	93
17) Carbon Disulfide	3.36	76	1579753	48.286	ug/l	98
18) Methyl Acetate	3.64	43	235353	44.573	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	1135756	54.784	ug/l	98
20) Methylene Chloride	3.80	84	499906	41.472	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	571357	52.376	ug/l	96
22) Diisopropyl ether	5.11	45	1514949	47.111	ug/l	99
23) Vinyl Acetate	5.04	43	4697652	251.283	ug/l	99
24) 1,1-Dichloroethane	4.96	63	942950	47.278	ug/l	97
25) 2-Butanone	6.06	43	734971	266.957	ug/l	100
26) 2,2-Dichloropropane	6.01	77	1059539	53.335	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	572535	47.971	ug/l	92
28) Bromochloromethane	6.43	49	376544	46.582	ug/l	91
29) Tetrahydrofuran	6.45	42	302239	235.591	ug/l	95
30) Chloroform	6.66	83	1187452	47.898	ug/l	94
31) Cyclohexane	6.94	56	633767	51.185	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	1171192	49.387	ug/l	97
36) 1,1-Dichloropropene	7.14	75	808789	53.885	ug/l	98
37) Ethyl Acetate	6.18	43	325314	51.724	ug/l #	94
38) Carbon Tetrachloride	7.10	117	1287860	56.932	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	709886	55.620	ug/l	97
40) Benzene	7.45	78	1650085	49.956	ug/l	97
41) Methacrylonitrile	6.44	41	419154	52.930	ug/l #	96
42) 1,2-Dichloroethane	7.57	62	877886	52.857	ug/l	99
43) Isopropyl Acetate	9.24	43	466041	55.326	ug/l #	98
44) Trichloroethene	8.53	130	665843	52.740	ug/l	94
45) 1,2-Dichloropropane	8.93	63	414925	53.942	ug/l	94
46) Dibromomethane	9.06	93	326028	49.632	ug/l	93
47) Bromodichloromethane	9.36	83	885190	52.535	ug/l	96
48) Methyl methacrylate	9.12	41	283013	49.541	ug/l	97
49) 1,4-Dioxane	9.07	88	50095	982.444	ug/l #	85
51) 4-Methyl-2-Pentanone	10.29	43	1538305	266.881	ug/l	100
52) Toluene	10.51	92	1075820	50.568	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	748199	54.410	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	805055	51.921	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	370111	51.501	ug/l	97
56) Ethyl methacrylate	11.04	69	411348	52.735	ug/l	99
57) 1,3-Dichloropropane	11.40	76	573558	52.799	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	1139583	276.732	ug/l	99
59) 2-Hexanone	11.53	43	1228598	292.938	ug/l	99
60) Dibromochloromethane	11.68	129	709871	54.284	ug/l	99
61) 1,2-Dibromoethane	11.80	107	440118	50.589	ug/l	98
64) Tetrachloroethene	11.26	164	578808	53.862	ug/l	93
65) Chlorobenzene	12.40	112	1322454	50.688	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	593209	51.663	ug/l	96
67) Ethyl Benzene	12.52	91	2292959	50.545	ug/l	100
68) m/p-Xylenes	12.66	106	1632046	102.400	ug/l	96
69) o-Xylene	13.05	106	783669	51.088	ug/l	94
70) Styrene	13.07	104	1357482	49.750	ug/l	98
71) Bromoform	13.23	173	430421	54.669	ug/l	98
73) Isopropylbenzene	13.40	105	2457001	53.454	ug/l	99
74) N-amyl acetate	13.26	43	630384	54.633	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	418978	54.917	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	469385	56.595	ug/l	94
77) Bromobenzene	13.67	156	679208	54.067	ug/l	97
78) n-propylbenzene	13.78	91	2633195	48.962	ug/l	99
79) 2-Chlorotoluene	13.83	91	1567666	50.556	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	2129379	53.021	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	125790	56.430	ug/l	99
82) 4-Chlorotoluene	13.94	91	1907781	51.163	ug/l	100
83) tert-Butylbenzene	14.19	119	2331822	55.137	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	2038146	54.848	ug/l	96
85) sec-Butylbenzene	14.37	105	2396367	53.356	ug/l	99
86) p-Isopropyltoluene	14.48	119	2373484	55.271	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	1220680	53.720	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	1097373	50.336	ug/l	98
89) n-Butylbenzene	14.80	91	2168770	55.335	ug/l	98
90) Hexachloroethane	15.01	117	588856	54.556	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	1051381	54.536	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	73288	51.017	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	771200	54.364	ug/l	99
94) Hexachlorobutadiene	16.04	225	537807	49.744	ug/l	96
95) Naphthalene	16.12	128	1116818	51.948	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	621578	54.250	ug/l	100

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

