

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063571.D
 Acq On : 14 Aug 2019 13:07
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 15 11:58:00 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	1210776	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1659969	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.38	117	1393982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	754439	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	543313	41.98	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	83.96%	
35) Dibromofluoromethane	6.93	113	608681	43.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.08%	
50) Toluene-d8	10.42	98	1420021	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
62) 4-Bromofluorobenzene	13.56	95	569999	40.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	742033	50.657	ug/l	98
3) Chloromethane	1.75	50	576628	50.383	ug/l	97
4) Vinyl Chloride	1.84	62	580766	51.117	ug/l	96
5) Bromomethane	2.15	94	279451	52.127	ug/l	95
6) Chloroethane	2.27	64	295129	56.804	ug/l	99
7) Trichlorofluoromethane	2.53	101	1158282	51.975	ug/l	100
8) Diethyl Ether	2.88	74	161333	51.274	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.14	101	717847	54.552	ug/l	98
10) Methyl Iodide	3.30	142	961610	51.647	ug/l	99
11) Tert butyl alcohol	4.09	59	173696	308.298	ug/l	97
12) 1,1-Dichloroethene	3.13	96	526274	53.792	ug/l	97
13) Acrolein	3.04	56	130148	234.685	ug/l	96
14) Allyl chloride	3.63	41	797415	54.218	ug/l	98
15) Acrylonitrile	4.20	53	449757	301.381	ug/l	89
16) Acetone	3.22	43	759892	288.833	ug/l	98
17) Carbon Disulfide	3.37	76	1557089	50.428	ug/l	98
18) Methyl Acetate	3.65	43	263082	52.793	ug/l	# 90
19) Methyl tert-butyl Ether	4.25	73	1147422	58.644	ug/l	98
20) Methylene Chloride	3.81	84	545092	47.914	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	562426	54.629	ug/l	96
22) Diisopropyl ether	5.13	45	1630956	53.739	ug/l	98
23) Vinyl Acetate	5.06	43	5053123	286.397	ug/l	99
24) 1,1-Dichloroethane	4.98	63	1004278	53.352	ug/l	98
25) 2-Butanone	6.09	43	783268	301.445	ug/l	97
26) 2,2-Dichloropropane	6.03	77	1038497	55.389	ug/l	94
27) cis-1,2-Dichloroethene	6.05	96	612999	54.420	ug/l	92
28) Bromochloromethane	6.45	49	405274	53.123	ug/l	97
29) Tetrahydrofuran	6.47	42	360292	297.571	ug/l	99
30) Chloroform	6.67	83	1222789	52.262	ug/l	95
31) Cyclohexane	6.96	56	628197	53.757	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	1193610	53.330	ug/l	97
36) 1,1-Dichloropropene	7.15	75	815831	55.595	ug/l	99
37) Ethyl Acetate	6.20	43	356469	57.971	ug/l	98
38) Carbon Tetrachloride	7.12	117	1294596	58.536	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	674003	54.014	ug/l	95
40) Benzene	7.46	78	1766635	54.706	ug/l	96
41) Methacrylonitrile	6.46	41	465738	60.155	ug/l #	93
42) 1,2-Dichloroethane	7.58	62	888414	54.712	ug/l	100
43) Isopropyl Acetate	9.25	43	524364	63.671	ug/l #	95
44) Trichloroethene	8.55	130	664980	53.874	ug/l	98
45) 1,2-Dichloropropane	8.95	63	439355	58.422	ug/l	93
46) Dibromomethane	9.07	93	374238	58.272	ug/l	99
47) Bromodichloromethane	9.38	83	965434	58.605	ug/l	100
48) Methyl methacrylate	9.13	41	324690	58.134	ug/l	96
49) 1,4-Dioxane	9.10	88	57572	1150.512	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	1617529	287.031	ug/l	100
52) Toluene	10.52	92	1110762	53.402	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	786937	58.534	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	849284	56.024	ug/l	92
55) 1,1,2-Trichloroethane	11.20	97	386267	54.976	ug/l	93
56) Ethyl methacrylate	11.05	69	456324	59.837	ug/l	93
57) 1,3-Dichloropropane	11.41	76	605015	56.966	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	1163181	288.910	ug/l	97
59) 2-Hexanone	11.54	43	1310203	319.527	ug/l	99
60) Dibromochloromethane	11.69	129	744093	58.200	ug/l	100
61) 1,2-Dibromoethane	11.82	107	478762	56.287	ug/l	99
64) Tetrachloroethene	11.26	164	619742	57.591	ug/l	95
65) Chlorobenzene	12.41	112	1417653	54.261	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	629967	54.788	ug/l	95
67) Ethyl Benzene	12.52	91	2443340	53.785	ug/l	99
68) m/p-Xylenes	12.67	106	1745528	109.368	ug/l	94
69) o-Xylene	13.06	106	813904	52.985	ug/l	98
70) Styrene	13.08	104	1363978	49.919	ug/l	99
71) Bromoform	13.24	173	468946	59.479	ug/l	99
73) Isopropylbenzene	13.41	105	2271875	47.344	ug/l	98
74) N-amyl acetate	13.27	43	674793	56.018	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	460616	57.831	ug/l	92
76) 1,2,3-Trichloropropane	13.74	75	500299	57.782	ug/l	98
77) Bromobenzene	13.68	156	696133	53.080	ug/l	93
78) n-propylbenzene	13.78	91	2921326	52.031	ug/l	93
79) 2-Chlorotoluene	13.84	91	1688434	52.156	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	2091462	49.883	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	132963	57.135	ug/l	96
82) 4-Chlorotoluene	13.95	91	1977225	50.792	ug/l	99
83) tert-Butylbenzene	14.20	119	2262901	51.253	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	2038575	52.549	ug/l	98
85) sec-Butylbenzene	14.38	105	2410663	51.414	ug/l	98
86) p-Isopropyltoluene	14.49	119	2406624	53.681	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	1247858	52.603	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	1217592	53.498	ug/l	97
89) n-Butylbenzene	14.80	91	2178411	53.240	ug/l	94
90) Hexachloroethane	15.02	117	629753	55.887	ug/l	81
91) 1,2-Dichlorobenzene	14.82	146	1092208	54.267	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	91407	60.949	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	823670	55.617	ug/l	96
94) Hexachlorobutadiene	16.04	225	577937	51.204	ug/l	99
95) Naphthalene	16.13	128	1234245	54.992	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	668720	55.905	ug/l	98

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

