

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082219\
 Data File : VD063728.D
 Acq On : 22 Aug 2019 12:33
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 23 06:56:06 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	992338	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1380543	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1146994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	587316	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	539911	50.90	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	6.93	113	609298	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.41	98	1366904	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	13.55	95	574795	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	521159	43.410	ug/l	97
3) Chloromethane	1.74	50	404648	43.139	ug/l	99
4) Vinyl Chloride	1.84	62	424483	45.586	ug/l	99
5) Bromomethane	2.14	94	194169	44.192	ug/l	98
6) Chloroethane	2.25	64	200971	47.196	ug/l	98
7) Trichlorofluoromethane	2.52	101	849000	46.483	ug/l	99
8) Diethyl Ether	2.86	74	126153	48.919	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.14	101	472201	43.783	ug/l	89
10) Methyl Iodide	3.29	142	641667	42.049	ug/l #	97
11) Tert butyl alcohol	4.08	59	127157	275.376	ug/l	99
12) 1,1-Dichloroethene	3.12	96	364047	45.401	ug/l	95
13) Acrolein	3.03	56	99941	219.885	ug/l	94
14) Allyl chloride	3.61	41	600751	49.838	ug/l	98
15) Acrylonitrile	4.19	53	343858	281.139	ug/l	95
16) Acetone	3.22	43	580985	269.441	ug/l	97
17) Carbon Disulfide	3.36	76	1067086	42.166	ug/l	98
18) Methyl Acetate	3.64	43	193877	47.469	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	871286	54.333	ug/l	95
20) Methylene Chloride	3.81	84	423937	45.467	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	420311	49.812	ug/l	97
22) Diisopropyl ether	5.12	45	1303244	52.394	ug/l	97
23) Vinyl Acetate	5.05	43	3988497	275.818	ug/l	99
24) 1,1-Dichloroethane	4.98	63	785227	50.898	ug/l	99
25) 2-Butanone	6.07	43	576443	270.681	ug/l	99
26) 2,2-Dichloropropane	6.02	77	791284	51.494	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	485238	52.561	ug/l	98
28) Bromochloromethane	6.44	49	348468	55.731	ug/l	98
29) Tetrahydrofuran	6.45	42	247269	249.178	ug/l	96
30) Chloroform	6.66	83	947287	49.399	ug/l	96
31) Cyclohexane	6.96	56	445827	46.549	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	925061	50.429	ug/l	97
36) 1,1-Dichloropropene	7.14	75	567527	46.502	ug/l	96
37) Ethyl Acetate	6.18	43	262850	51.398	ug/l #	95
38) Carbon Tetrachloride	7.10	117	962980	52.355	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	510049	49.148	ug/l	97
40) Benzene	7.45	78	1356360	50.502	ug/l	96
41) Methacrylonitrile	6.45	41	334771	51.991	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	679202	50.294	ug/l	99
43) Isopropyl Acetate	9.24	43	384359	56.117	ug/l	99
44) Trichloroethene	8.54	130	502771	48.977	ug/l	94
45) 1,2-Dichloropropane	8.95	63	338410	54.107	ug/l #	89
46) Dibromomethane	9.06	93	281766	52.753	ug/l	95
47) Bromodichloromethane	9.38	83	709046	51.753	ug/l	97
48) Methyl methacrylate	9.12	41	227991	49.083	ug/l	97
49) 1,4-Dioxane	9.09	88	41627	1003.473	ug/l #	79
51) 4-Methyl-2-Pentanone	10.30	43	1256213	268.034	ug/l	98
52) Toluene	10.51	92	847553	48.995	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	575788	51.497	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	597193	47.368	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	306033	52.372	ug/l	95
56) Ethyl methacrylate	11.04	69	337723	53.248	ug/l	97
57) 1,3-Dichloropropane	11.41	76	444631	50.339	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	1028052	307.030	ug/l	99
59) 2-Hexanone	11.53	43	957191	280.684	ug/l	98
60) Dibromochloromethane	11.69	129	574261	54.007	ug/l	99
61) 1,2-Dibromoethane	11.81	107	338560	47.860	ug/l	98
64) Tetrachloroethene	11.26	164	448964	50.705	ug/l	93
65) Chlorobenzene	12.40	112	1100582	51.196	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	487158	51.492	ug/l	93
67) Ethyl Benzene	12.53	91	1835970	49.118	ug/l	98
68) m/p-Xylenes	12.67	106	1391305	105.945	ug/l	100
69) o-Xylene	13.05	106	665352	52.641	ug/l	95
70) Styrene	13.07	104	1135458	50.504	ug/l	97
71) Bromoform	13.24	173	351174	54.133	ug/l	93
73) Isopropylbenzene	13.41	105	1763913	47.218	ug/l	99
74) N-amyl acetate	13.27	43	547903	58.427	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	337603	54.448	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	372041	55.195	ug/l	97
77) Bromobenzene	13.67	156	523890	51.313	ug/l	99
78) n-propylbenzene	13.78	91	2255484	51.603	ug/l	97
79) 2-Chlorotoluene	13.84	91	1334053	52.936	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1575598	48.272	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	96761	53.410	ug/l	97
82) 4-Chlorotoluene	13.95	91	1526846	50.383	ug/l	99
83) tert-Butylbenzene	14.19	119	1779820	51.783	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1599069	52.948	ug/l	94
85) sec-Butylbenzene	14.37	105	2015392	55.214	ug/l	98
86) p-Isopropyltoluene	14.50	119	1778369	50.955	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	961384	52.059	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	930981	52.544	ug/l	98
89) n-Butylbenzene	14.80	91	1671870	52.487	ug/l	97
90) Hexachloroethane	15.01	117	482717	55.028	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	858694	54.805	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	58072	49.740	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	692688	60.082	ug/l	96
94) Hexachlorobutadiene	16.04	225	471638	53.676	ug/l	95
95) Naphthalene	16.12	128	957522	54.802	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	538057	57.782	ug/l	99

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

