

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082019\
 Data File : VD063676.D
 Acq On : 20 Aug 2019 11:21
 Operator : JC/SY
 Sample : VD0820SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Quant Time: Aug 20 11:52:03 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	994065	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.20	114	1359268	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.36	117	1214279	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	609661	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	524883	49.40	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	6.90	113	629640	55.00	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	110.00%	
50) Toluene-d8	10.39	98	1391561	55.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	110.58%	
62) 4-Bromofluorobenzene	13.54	95	568021	49.79	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	258597	21.502	ug/l	100
3) Chloromethane	1.73	50	214366	22.814	ug/l	100
4) Vinyl Chloride	1.84	62	212931	22.827	ug/l	95
5) Bromomethane	2.13	94	86388	19.627	ug/l	96
6) Chloroethane	2.24	64	96245	22.563	ug/l	94
7) Trichlorofluoromethane	2.51	101	422591	23.097	ug/l	96
8) Diethyl Ether	2.85	74	57978	22.443	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.13	101	232610	21.530	ug/l	98
10) Methyl Iodide	3.27	142	293726	19.215	ug/l #	96
11) Tert butyl alcohol	4.06	59	49783	107.625	ug/l	96
12) 1,1-Dichloroethene	3.10	96	172473	21.472	ug/l	87
13) Acrolein	3.01	56	38799	85.215	ug/l	99
14) Allyl chloride	3.59	41	275602	22.824	ug/l	95
15) Acrylonitrile	4.17	53	141272	115.304	ug/l	94
16) Acetone	3.21	43	224335	103.858	ug/l #	87
17) Carbon Disulfide	3.34	76	498246	19.654	ug/l	97
18) Methyl Acetate	3.62	43	90101	22.022	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	362442	22.562	ug/l	95
20) Methylene Chloride	3.79	84	196717	21.061	ug/l	88
21) trans-1,2-Dichloroethene	4.19	96	195981	23.186	ug/l	96
22) Diisopropyl ether	5.09	45	542107	21.756	ug/l	93
23) Vinyl Acetate	5.03	43	1575524	108.763	ug/l	98
24) 1,1-Dichloroethane	4.95	63	356603	23.074	ug/l	98
25) 2-Butanone	6.05	43	212817	99.759	ug/l	97
26) 2,2-Dichloropropane	5.99	77	341237	22.168	ug/l	91
27) cis-1,2-Dichloroethene	6.01	96	194494	21.031	ug/l	86
28) Bromochloromethane	6.42	49	130528	20.839	ug/l	93
29) Tetrahydrofuran	6.43	42	109545	110.199	ug/l	98
30) Chloroform	6.64	83	404913	21.079	ug/l	91
31) Cyclohexane	6.94	56	213290	22.231	ug/l	97
32) 1,1,1-Trichloroethane	6.84	97	408178	22.213	ug/l	95
36) 1,1-Dichloropropene	7.12	75	271288	22.577	ug/l	95
37) Ethyl Acetate	6.16	43	114674	22.775	ug/l	97
38) Carbon Tetrachloride	7.08	117	416847	23.018	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	207599	20.317	ug/l	96
40) Benzene	7.43	78	566423	21.420	ug/l	94
41) Methacrylonitrile	6.42	41	147349	23.242	ug/l #	96
42) 1,2-Dichloroethane	7.56	62	300523	22.602	ug/l	97
43) Isopropyl Acetate	9.22	43	149433	22.159	ug/l #	97
44) Trichloroethene	8.52	130	232812	23.034	ug/l	94
45) 1,2-Dichloropropane	8.93	63	147437	23.942	ug/l	100
46) Dibromomethane	9.04	93	119184	22.663	ug/l	91
47) Bromodichloromethane	9.36	83	303982	22.535	ug/l	99
48) Methyl methacrylate	9.10	41	99896	21.843	ug/l	88
49) 1,4-Dioxane	9.06	88	16878	427.786	ug/l #	80
51) 4-Methyl-2-Pentanone	10.28	43	513497	111.278	ug/l	94
52) Toluene	10.49	92	375447	22.043	ug/l	97
53) t-1,3-Dichloropropene	10.89	75	253414	23.019	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	271317	21.857	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	119531	20.776	ug/l	97
56) Ethyl methacrylate	11.03	69	142932	22.889	ug/l	94
57) 1,3-Dichloropropane	11.40	76	195572	22.488	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.84	63	350107	106.197	ug/l	97
59) 2-Hexanone	11.52	43	407687	121.420	ug/l	95
60) Dibromochloromethane	11.67	129	238205	22.753	ug/l	99
61) 1,2-Dibromoethane	11.80	107	156263	22.436	ug/l	94
64) Tetrachloroethene	11.24	164	203621	21.722	ug/l	92
65) Chlorobenzene	12.39	112	487401	21.416	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	219498	21.915	ug/l	92
67) Ethyl Benzene	12.51	91	880031	22.239	ug/l	96
68) m/p-Xylenes	12.66	106	572928	41.210	ug/l	85
69) o-Xylene	13.04	106	272743	20.383	ug/l	98
70) Styrene	13.06	104	449081	18.868	ug/l	96
71) Bromoform	13.23	173	142732	20.783	ug/l	97
73) Isopropylbenzene	13.39	105	868064	22.386	ug/l	97
74) N-amyl acetate	13.26	43	224484	23.061	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	141415	21.971	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	147457	21.075	ug/l	99
77) Bromobenzene	13.66	156	234742	22.149	ug/l	95
78) n-propylbenzene	13.77	91	941311	20.747	ug/l	97
79) 2-Chlorotoluene	13.83	91	594748	22.735	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	736765	21.745	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	43770	23.275	ug/l	88
82) 4-Chlorotoluene	13.94	91	652910	20.755	ug/l	100
83) tert-Butylbenzene	14.18	119	816773	22.893	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	769854	24.557	ug/l	97
85) sec-Butylbenzene	14.36	105	850920	22.458	ug/l	99
86) p-Isopropyltoluene	14.49	119	757135	20.899	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	436979	22.795	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	408798	22.227	ug/l	99
89) n-Butylbenzene	14.79	91	774713	23.430	ug/l	95
90) Hexachloroethane	15.00	117	193708	21.273	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	387222	23.808	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	25009	20.636	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	270262	22.583	ug/l	97
94) Hexachlorobutadiene	16.03	225	211181	23.153	ug/l	96
95) Naphthalene	16.12	128	352117	19.414	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	205298	21.239	ug/l	100

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

