

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063100.D
 Acq On : 16 Jul 2019 12:21
 Operator : VA/AP
 Sample : VD0716SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

Quant Time: Jul 16 12:44:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	647591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	905833	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	728070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	435922	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	395480	49.02	ug/l	-0.02
Spiked Amount			Recovery	=		98.04%
35) Dibromofluoromethane	6.91	113	434148	48.12	ug/l	0.00
Spiked Amount			Recovery	=		96.24%
50) Toluene-d8	10.39	98	910913	47.00	ug/l	0.00
Spiked Amount			Recovery	=		94.00%
62) 4-Bromofluorobenzene	13.54	95	425557	47.46	ug/l	0.00
Spiked Amount			Recovery	=		94.92%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	208621	29.482	ug/l	98
3) Chloromethane	1.74	50	163114	26.212	ug/l	96
4) Vinyl Chloride	1.84	62	152524	22.068	ug/l	98
5) Bromomethane	2.13	94	67186	23.779	ug/l #	91
6) Chloroethane	2.25	64	69617	21.684	ug/l	96
7) Trichlorofluoromethane	2.51	101	306642	21.916	ug/l	99
8) Diethyl Ether	2.85	74	45931	23.337	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.13	101	175134	21.708	ug/l	92
10) Methyl Iodide	3.29	142	218298	22.040	ug/l	94
11) Tert butyl alcohol	4.06	59	46106	99.034	ug/l #	79
12) 1,1-Dichloroethene	3.11	96	131170	22.896	ug/l	96
13) Acrolein	3.02	56	18378	130.793	ug/l	89
14) Allyl chloride	3.60	41	201846	22.417	ug/l	92
15) Acrylonitrile	4.18	53	107541	104.499	ug/l	90
16) Acetone	3.22	43	189716	97.370	ug/l #	92
17) Carbon Disulfide	3.35	76	369061	22.506	ug/l	99
18) Methyl Acetate	3.63	43	92100	33.815	ug/l #	90
19) Methyl tert-butyl Ether	4.23	73	310670	21.482	ug/l	99
20) Methylene Chloride	3.80	84	135808	18.450	ug/l	99
21) trans-1,2-Dichloroethene	4.19	96	138859	21.834	ug/l	87
22) Diisopropyl ether	5.10	45	448765	22.924	ug/l	93
23) Vinyl Acetate	5.04	43	1213983	106.293	ug/l	98
24) 1,1-Dichloroethane	4.96	63	278497	23.095	ug/l #	96
25) 2-Butanone	6.06	43	193879	104.204	ug/l	100
26) 2,2-Dichloropropane	6.00	77	286864	21.495	ug/l	96
27) cis-1,2-Dichloroethene	6.01	96	159476	22.043	ug/l	91
28) Bromochloromethane	6.42	49	95863	21.912	ug/l #	90
29) Tetrahydrofuran	6.45	42	92593	109.784	ug/l	99
30) Chloroform	6.64	83	337004	22.692	ug/l	88
31) Cyclohexane	6.94	56	159465	20.765	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	309352	21.124	ug/l	96
36) 1,1-Dichloropropene	7.12	75	213687	20.975	ug/l	91
37) Ethyl Acetate	6.17	43	97409	22.341	ug/l #	89
38) Carbon Tetrachloride	7.09	117	308368	19.920	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	170216	19.326	ug/l	93
40) Benzene	7.44	78	454021	21.278	ug/l	96
41) Methacrylonitrile	6.44	41	125335	21.203	ug/l #	88
42) 1,2-Dichloroethane	7.56	62	234382	20.618	ug/l	97
43) Isopropyl Acetate	9.22	43	128178	20.510	ug/l #	97
44) Trichloroethene	8.52	130	181923	22.062	ug/l	90
45) 1,2-Dichloropropane	8.93	63	113566	21.348	ug/l #	83
46) Dibromomethane	9.04	93	94848	20.748	ug/l	92
47) Bromodichloromethane	9.36	83	252855	21.196	ug/l	99
48) Methyl methacrylate	9.10	41	82344	20.064	ug/l #	84
49) 1,4-Dioxane	9.06	88	14488	409.332	ug/l #	77
51) 4-Methyl-2-Pentanone	10.28	43	439059	105.924	ug/l	96
52) Toluene	10.49	92	313479	22.001	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	218436	21.372	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	220380	20.854	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	105470	21.420	ug/l	97
56) Ethyl methacrylate	11.03	69	110698	20.121	ug/l #	83
57) 1,3-Dichloropropane	11.40	76	161711	21.583	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.84	63	278036	90.763	ug/l	98
59) 2-Hexanone	11.51	43	309822	96.919	ug/l	99
60) Dibromochloromethane	11.67	129	200430	21.235	ug/l	86
61) 1,2-Dibromoethane	11.79	107	132773	22.527	ug/l	94
64) Tetrachloroethene	11.24	164	151019	21.377	ug/l	97
65) Chlorobenzene	12.39	112	379241	22.159	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	178787	22.532	ug/l	99
67) Ethyl Benzene	12.51	91	640342	21.533	ug/l	97
68) m/p-Xylenes	12.66	106	479674	45.035	ug/l	93
69) o-Xylene	13.04	106	215648	21.352	ug/l	90
70) Styrene	13.06	104	366757	20.746	ug/l	94
71) Bromoform	13.23	173	127940	23.030	ug/l #	94
73) Isopropylbenzene	13.40	105	640071	19.013	ug/l	96
74) N-amyl acetate	13.26	43	171604	18.277	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	121485	19.834	ug/l	92
76) 1,2,3-Trichloropropane	13.72	75	127092	18.953	ug/l	96
77) Bromobenzene	13.66	156	187639	19.655	ug/l	90
78) n-propylbenzene	13.77	91	785906	20.286	ug/l	100
79) 2-Chlorotoluene	13.83	91	478902	20.445	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	592423	20.191	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	33364	18.894	ug/l	94
82) 4-Chlorotoluene	13.94	91	570052	20.841	ug/l	93
83) tert-Butylbenzene	14.18	119	654466	19.727	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	581759	19.888	ug/l	100
85) sec-Butylbenzene	14.36	105	668037	18.952	ug/l	98
86) p-Isopropyltoluene	14.49	119	659952	20.070	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	352753	20.690	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	345286	21.125	ug/l	95
89) n-Butylbenzene	14.79	91	607503	20.044	ug/l	98
90) Hexachloroethane	15.00	117	175082	19.917	ug/l	83
91) 1,2-Dichlorobenzene	14.80	146	310850	20.475	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	24370	20.757	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	213371	18.707	ug/l	96
94) Hexachlorobutadiene	16.03	225	153497	18.258	ug/l	97
95) Naphthalene	16.11	128	320510	19.210	ug/l	96
96) 1,2,3-Trichlorobenzene	16.26	180	181360	19.766	ug/l	93

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

