

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062744.D
 Acq On : 18 Jun 2019 12:48
 Operator : VA/AP
 Sample : VD0618SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

Quant Time: Jun 19 05:23:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	625849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	863304	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	714640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	411316	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	500298	55.40	ug/l	0.00
Spiked Amount			Recovery	=	110.80%	
35) Dibromofluoromethane	6.92	113	511326	56.16	ug/l	0.00
Spiked Amount			Recovery	=	112.32%	
50) Toluene-d8	10.41	98	1056051	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	
62) 4-Bromofluorobenzene	13.56	95	491908	55.05	ug/l	0.00
Spiked Amount			Recovery	=	110.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	156303	19.931	ug/l	97
3) Chloromethane	1.75	50	120235	19.416	ug/l	96
4) Vinyl Chloride	1.84	62	121966	19.100	ug/l	92
5) Bromomethane	2.15	94	47324	14.682	ug/l #	93
6) Chloroethane	2.26	64	58600	18.587	ug/l	97
7) Trichlorofluoromethane	2.52	101	278278	19.470	ug/l	96
8) Diethyl Ether	2.87	74	38556	19.834	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.14	101	140133	18.180	ug/l	89
10) Methyl Iodide	3.30	142	159977	17.160	ug/l	96
11) Tert butyl alcohol	4.07	59	39116	105.372	ug/l #	84
12) 1,1-Dichloroethene	3.11	96	108907	19.688	ug/l	96
13) Acrolein	3.04	56	10092	84.516	ug/l	95
14) Allyl chloride	3.62	41	170451	20.040	ug/l	85
15) Acrylonitrile	4.20	53	80645	95.601	ug/l	95
16) Acetone	3.22	43	155594	94.088	ug/l	100
17) Carbon Disulfide	3.37	76	292636	17.952	ug/l	97
18) Methyl Acetate	3.64	43	59258	21.804	ug/l #	88
19) Methyl tert-butyl Ether	4.24	73	252115	18.687	ug/l	98
20) Methylene Chloride	3.80	84	133707	21.145	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	112050	18.467	ug/l	93
22) Diisopropyl ether	5.12	45	343743	19.464	ug/l	89
23) Vinyl Acetate	5.05	43	1068080	97.485	ug/l	97
24) 1,1-Dichloroethane	4.98	63	219152	19.289	ug/l	97
25) 2-Butanone	6.08	43	155617	96.457	ug/l	95
26) 2,2-Dichloropropane	6.02	77	247972	18.938	ug/l	94
27) cis-1,2-Dichloroethene	6.04	96	126199	19.185	ug/l	99
28) Bromochloromethane	6.44	49	87023	20.037	ug/l	93
29) Tetrahydrofuran	6.46	42	68961	94.918	ug/l	95
30) Chloroform	6.66	83	273566	18.767	ug/l	89
31) Cyclohexane	6.95	56	136159	19.105	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	286267	19.736	ug/l	98
36) 1,1-Dichloropropene	7.14	75	180722	18.291	ug/l	98
37) Ethyl Acetate	6.19	43	80592	19.871	ug/l #	91
38) Carbon Tetrachloride	7.11	117	284530	18.219	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	152675	19.122	ug/l	97
40) Benzene	7.46	78	356954	18.499	ug/l	95
41) Methacrylonitrile	6.45	41	101112	19.549	ug/l	88
42) 1,2-Dichloroethane	7.57	62	203685	17.710	ug/l	91
43) Isopropyl Acetate	9.24	43	94547	18.135	ug/l #	92
44) Trichloroethene	8.54	130	146833	18.744	ug/l	99
45) 1,2-Dichloropropane	8.94	63	92055	19.862	ug/l	97
46) Dibromomethane	9.06	93	77688	18.884	ug/l	94
47) Bromodichloromethane	9.38	83	211428	18.892	ug/l	99
48) Methyl methacrylate	9.12	41	70468	18.710	ug/l	89
49) 1,4-Dioxane	9.08	88	11180	363.522	ug/l	91
51) 4-Methyl-2-Pentanone	10.30	43	340106	93.233	ug/l	99
52) Toluene	10.51	92	244812	18.875	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	163848	17.857	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	179194	18.896	ug/l	91
55) 1,1,2-Trichloroethane	11.19	97	84357	18.965	ug/l	99
56) Ethyl methacrylate	11.05	69	86353	18.782	ug/l	94
57) 1,3-Dichloropropane	11.40	76	129679	18.810	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	261766	110.108	ug/l	96
59) 2-Hexanone	11.53	43	260985	96.179	ug/l	94
60) Dibromochloromethane	11.69	129	161110	18.349	ug/l	97
61) 1,2-Dibromoethane	11.81	107	102006	19.161	ug/l	94
64) Tetrachloroethene	11.26	164	126433	18.899	ug/l	95
65) Chlorobenzene	12.40	112	289225	18.297	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	132044	17.514	ug/l	95
67) Ethyl Benzene	12.53	91	519602	18.539	ug/l	98
68) m/p-Xylenes	12.67	106	377130	38.275	ug/l	100
69) o-Xylene	13.05	106	185398	20.488	ug/l	97
70) Styrene	13.08	104	328577	20.350	ug/l	92
71) Bromoform	13.23	173	97705	18.768	ug/l	92
73) Isopropylbenzene	13.40	105	585909	20.210	ug/l	99
74) N-amyl acetate	13.26	43	146130	18.650	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	95133	19.177	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	106195	19.041	ug/l	99
77) Bromobenzene	13.67	156	149514	18.043	ug/l	88
78) n-propylbenzene	13.78	91	651657	18.363	ug/l	95
79) 2-Chlorotoluene	13.83	91	379686	18.273	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	509165	19.872	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	26135	18.466	ug/l	92
82) 4-Chlorotoluene	13.94	91	496898	19.997	ug/l	93
83) tert-Butylbenzene	14.19	119	539208	19.080	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	478927	18.878	ug/l	100
85) sec-Butylbenzene	14.37	105	591465	19.959	ug/l	96
86) p-Isopropyltoluene	14.49	119	535452	18.558	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	275118	18.327	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	275954	19.452	ug/l	95
89) n-Butylbenzene	14.80	91	510901	19.683	ug/l	97
90) Hexachloroethane	15.01	117	142107	18.657	ug/l	79
91) 1,2-Dichlorobenzene	14.81	146	244053	19.558	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	19982	18.858	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	180771	19.427	ug/l	94
94) Hexachlorobutadiene	16.04	225	139556	18.942	ug/l	98
95) Naphthalene	16.12	128	262027	19.795	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	129969	18.083	ug/l	95

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

