

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
 Data File : VD062413.D
 Acq On : 16 May 2019 13:13
 Operator : FY/SY
 Sample : VD0516SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Quant Time: May 17 02:27:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	637685	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	876943	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	786413	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	435369	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	279435	47.15	ug/l	0.03
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	6.92	113	334744	46.01	ug/l	0.03
Spiked Amount	50.000		Recovery	=	92.02%	
50) Toluene-d8	10.42	98	734744	41.88	ug/l	0.02
Spiked Amount	50.000		Recovery	=	83.76%	
62) 4-Bromofluorobenzene	13.56	95	291818	41.42	ug/l	0.01
Spiked Amount	50.000		Recovery	=	82.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	95015	15.579	ug/l	97
3) Chloromethane	1.76	50	67370	15.287	ug/l	95
4) Vinyl Chloride	1.86	62	68993	15.930	ug/l	95
5) Bromomethane	2.15	94	29517	29.086	ug/l	97
6) Chloroethane	2.25	64	36307	19.978	ug/l	91
7) Trichlorofluoromethane	2.52	101	182127	21.630	ug/l	98
8) Diethyl Ether	2.87	74	23516	14.481	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.14	101	121782	19.119	ug/l	98
10) Methyl Iodide	3.30	142	128186	13.316	ug/l #	85
11) Tert butyl alcohol	4.08	59	28720	94.944	ug/l #	90
12) 1,1-Dichloroethene	3.12	96	81891	16.842	ug/l	90
13) Acrolein	3.04	56	21957	70.179	ug/l	97
14) Allyl chloride	3.62	41	115024	16.270	ug/l #	77
15) Acrylonitrile	4.20	53	70477	88.640	ug/l	93
16) Acetone	3.22	43	129404	104.126	ug/l #	87
17) Carbon Disulfide	3.37	76	183283	13.104	ug/l	99
18) Methyl Acetate	3.65	43	37660	16.742	ug/l #	88
19) Methyl tert-butyl Ether	4.24	73	196992	18.902	ug/l	96
20) Methylene Chloride	3.81	84	91395	17.613	ug/l	100
21) trans-1,2-Dichloroethene	4.22	96	88805	16.413	ug/l #	78
22) Diisopropyl ether	5.12	45	288651	19.187	ug/l	92
23) Vinyl Acetate	5.06	43	803517	101.231	ug/l	98
24) 1,1-Dichloroethane	4.98	63	164641	18.141	ug/l	98
25) 2-Butanone	6.08	43	130406	96.201	ug/l	93
26) 2,2-Dichloropropane	6.03	77	190695	21.094	ug/l	93
27) cis-1,2-Dichloroethene	6.04	96	106803	17.635	ug/l	94
28) Bromochloromethane	6.44	49	91881	25.732	ug/l	94
29) Tetrahydrofuran	6.46	42	56172	89.935	ug/l	92
30) Chloroform	6.67	83	222173	20.313	ug/l	96
31) Cyclohexane	6.96	56	95144	15.302	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	210311	20.343	ug/l	96
36) 1,1-Dichloropropene	7.15	75	130837	18.197	ug/l	95
37) Ethyl Acetate	6.19	43	63638	20.870	ug/l #	92
38) Carbon Tetrachloride	7.11	117	198995	19.996	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	112310	16.303	ug/l	96
40) Benzene	7.45	78	285128	17.561	ug/l	96
41) Methacrylonitrile	6.45	41	74315	19.943	ug/l #	81
42) 1,2-Dichloroethane	7.58	62	148315	21.561	ug/l	93
43) Isopropyl Acetate	9.25	43	79798	18.453	ug/l	92
44) Trichloroethene	8.55	130	109625	17.719	ug/l	83
45) 1,2-Dichloropropane	8.95	63	71502	17.804	ug/l	96
46) Dibromomethane	9.07	93	59291	18.155	ug/l	93
47) Bromodichloromethane	9.38	83	157912	19.768	ug/l	100
48) Methyl methacrylate	9.13	41	51548	19.352	ug/l #	84
49) 1,4-Dioxane	9.09	88	9601	334.063	ug/l	92
51) 4-Methyl-2-Pentanone	10.31	43	269906	97.095	ug/l	95
52) Toluene	10.52	92	196875	18.637	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	135010	19.555	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	150396	19.968	ug/l	91
55) 1,1,2-Trichloroethane	11.19	97	73327	19.618	ug/l	95
56) Ethyl methacrylate	11.05	69	62417	16.070	ug/l #	83
57) 1,3-Dichloropropane	11.41	76	101089	17.902	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	218309	102.898	ug/l	99
59) 2-Hexanone	11.54	43	211345	103.154	ug/l	93
60) Dibromochloromethane	11.69	129	124623	19.293	ug/l	97
61) 1,2-Dibromoethane	11.80	107	88368	19.446	ug/l	100
64) Tetrachloroethene	11.26	164	93822	15.257	ug/l	97
65) Chlorobenzene	12.40	112	272267	18.588	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	114027	17.888	ug/l	96
67) Ethyl Benzene	12.52	91	439001	17.903	ug/l	94
68) m/p-Xylenes	12.67	106	327622	36.723	ug/l	89
69) o-Xylene	13.05	106	146582	17.673	ug/l	83
70) Styrene	13.07	104	255296	18.170	ug/l	96
71) Bromoform	13.24	173	80618	18.177	ug/l	97
73) Isopropylbenzene	13.41	105	471540	18.068	ug/l	97
74) N-amyl acetate	13.27	43	107897	15.769	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.70	83	77832	15.754	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	80875	15.631	ug/l	96
77) Bromobenzene	13.67	156	123180	16.861	ug/l	99
78) n-propylbenzene	13.77	91	529259	17.001	ug/l	91
79) 2-Chlorotoluene	13.84	91	322570	18.092	ug/l	89
80) 1,3,5-Trimethylbenzene	13.94	105	367084	16.704	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	22337	15.292	ug/l #	79
82) 4-Chlorotoluene	13.95	91	372364	17.748	ug/l	86
83) tert-Butylbenzene	14.20	119	424391	17.181	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	392428	17.795	ug/l	93
85) sec-Butylbenzene	14.37	105	466202	17.214	ug/l	99
86) p-Isopropyltoluene	14.49	119	410984	16.985	ug/l	91
87) 1,3-Dichlorobenzene	14.46	146	225447	16.893	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	218134	16.635	ug/l	97
89) n-Butylbenzene	14.80	91	389853	17.951	ug/l	93
90) Hexachloroethane	15.01	117	110564	16.803	ug/l	69
91) 1,2-Dichlorobenzene	14.82	146	198205	18.034	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	13794	17.009	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	152014	19.002	ug/l	97
94) Hexachlorobutadiene	16.04	225	104495	17.562	ug/l	98
95) Naphthalene	16.12	128	204583	18.317	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	119045	23.668	ug/l	96

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

