

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062276.D
 Acq On : 13 May 2019 00:31
 Operator : FY/SY
 Sample : VD0512SBSD02
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD02

Quant Time: May 13 03:16:43 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	7.06	168	647128	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	907955	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	737988	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	385366	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	302259	50.26	ug/l	0.04
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	6.94	113	359162	47.68	ug/l	0.04
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	10.42	98	717781	39.52	ug/l	0.02
Spiked Amount	50.000		Recovery	=	79.04%	
62) 4-Bromofluorobenzene	13.56	95	338698	46.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	92.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	126312	20.408	ug/l	98
3) Chloromethane	1.75	50	84470	18.888	ug/l	100
4) Vinyl Chloride	1.86	62	83607	19.022	ug/l	98
5) Bromomethane	2.15	94	31099	30.197	ug/l	85
6) Chloroethane	2.26	64	38416	20.830	ug/l	98
7) Trichlorofluoromethane	2.53	101	208572	24.409	ug/l	98
8) Diethyl Ether	2.88	74	31055	18.844	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.16	101	140072	21.670	ug/l	97
10) Methyl Iodide	3.32	142	146316	14.977	ug/l #	82
11) Tert butyl alcohol	4.09	59	33551	109.296	ug/l #	91
12) 1,1-Dichloroethene	3.14	96	91298	18.503	ug/l	82
13) Acrolein	3.05	56	23421	73.766	ug/l	90
14) Allyl chloride	3.63	41	145969	20.346	ug/l #	77
15) Acrylonitrile	4.21	53	80190	99.384	ug/l #	80
16) Acetone	3.24	43	119335	94.623	ug/l #	87
17) Carbon Disulfide	3.39	76	230263	16.222	ug/l	99
18) Methyl Acetate	3.65	43	53884	23.730	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	223763	21.157	ug/l	94
20) Methylene Chloride	3.82	84	101469	19.269	ug/l	89
21) trans-1,2-Dichloroethene	4.23	96	102729	18.710	ug/l	94
22) Diisopropyl ether	5.14	45	319172	20.906	ug/l	93
23) Vinyl Acetate	5.07	43	914470	113.529	ug/l	96
24) 1,1-Dichloroethane	5.00	63	207596	22.540	ug/l	98
25) 2-Butanone	6.09	43	142957	103.921	ug/l	97
26) 2,2-Dichloropropane	6.04	77	198339	21.619	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	120597	19.622	ug/l	91
28) Bromochloromethane	6.46	49	88935	24.544	ug/l	92
29) Tetrahydrofuran	6.48	42	71829	113.325	ug/l	93
30) Chloroform	6.68	83	252850	22.780	ug/l	96
31) Cyclohexane	6.97	56	114997	18.225	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	258498	24.639	ug/l	99
36) 1,1-Dichloropropene	7.15	75	162975	21.892	ug/l	94
37) Ethyl Acetate	6.20	43	66163	20.957	ug/l #	92
38) Carbon Tetrachloride	7.12	117	252096	24.467	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.88	83	135750	19.032	ug/l	92
40) Benzene	7.47	78	324292	19.291	ug/l	100
41) Methacrylonitrile	6.47	41	88577	22.959	ug/l #	80
42) 1,2-Dichloroethane	7.59	62	171286	24.049	ug/l	91
43) Isopropyl Acetate	9.25	43	94544	21.116	ug/l #	88
44) Trichloroethene	8.55	130	128116	20.000	ug/l	83
45) 1,2-Dichloropropane	8.95	63	82418	19.821	ug/l	97
46) Dibromomethane	9.07	93	73214	21.653	ug/l	97
47) Bromodichloromethane	9.39	83	187112	22.624	ug/l	98
48) Methyl methacrylate	9.13	41	64812	23.500	ug/l #	86
49) 1,4-Dioxane	9.08	88	12163	408.752	ug/l	89
51) 4-Methyl-2-Pentanone	10.31	43	324466	112.735	ug/l	94
52) Toluene	10.52	92	228447	20.887	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	156127	21.842	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	151959	19.487	ug/l #	86
55) 1,1,2-Trichloroethane	11.20	97	84114	21.735	ug/l	93
56) Ethyl methacrylate	11.05	69	76165	18.940	ug/l #	82
57) 1,3-Dichloropropane	11.42	76	121330	20.753	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	248648	113.195	ug/l	99
59) 2-Hexanone	11.54	43	235115	110.836	ug/l	90
60) Dibromochloromethane	11.69	129	146320	21.878	ug/l	99
61) 1,2-Dibromoethane	11.82	107	101566	21.587	ug/l	96
64) Tetrachloroethene	11.27	164	124939	21.650	ug/l	95
65) Chlorobenzene	12.41	112	269445	19.603	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	138033	23.074	ug/l	91
67) Ethyl Benzene	12.53	91	498818	21.677	ug/l	95
68) m/p-Xylenes	12.67	106	341868	40.834	ug/l	88
69) o-Xylene	13.06	106	172226	22.127	ug/l	79
70) Styrene	13.08	104	273781	20.764	ug/l	95
71) Bromoform	13.24	173	88930	21.367	ug/l	99
73) Isopropylbenzene	13.41	105	477089	20.653	ug/l	96
74) N-amyl acetate	13.28	43	135157	22.317	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	94046	21.505	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	109936	24.005	ug/l	96
77) Bromobenzene	13.68	156	145010	22.425	ug/l	94
78) n-propylbenzene	13.78	91	599128	21.742	ug/l	93
79) 2-Chlorotoluene	13.85	91	372168	23.582	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	431364	22.176	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.48	75	24133	18.666	ug/l #	79
82) 4-Chlorotoluene	13.95	91	417180	22.464	ug/l	88
83) tert-Butylbenzene	14.20	119	443085	20.266	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	451908	23.151	ug/l	89
85) sec-Butylbenzene	14.38	105	476614	19.882	ug/l	100
86) p-Isopropyltoluene	14.50	119	497236	23.216	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	259855	21.998	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	239237	20.612	ug/l	94
89) n-Butylbenzene	14.80	91	454267	23.630	ug/l	95
90) Hexachloroethane	15.02	117	124169	21.319	ug/l	65
91) 1,2-Dichlorobenzene	14.81	146	229543	23.595	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	16123	22.460	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	174507	24.644	ug/l	97
94) Hexachlorobutadiene	16.04	225	127383	24.187	ug/l	98
95) Naphthalene	16.13	128	229303	23.195	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	118685	26.658	ug/l	95

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

