

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062255.D
 Acq On : 12 May 2019 13:29
 Operator : FY/SY
 Sample : VD0512SBSD01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

Quant Time: May 13 01:31:57 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	7.07	168	879262	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	1206311	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	947383	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	493924	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	354674	43.41	ug/l	0.04
Spiked Amount			Recovery	=	86.82%	
35) Dibromofluoromethane	6.94	113	448858	44.85	ug/l	0.04
Spiked Amount			Recovery	=	89.70%	
50) Toluene-d8	10.42	98	1036849	42.97	ug/l	0.02
Spiked Amount			Recovery	=	85.94%	
62) 4-Bromofluorobenzene	13.56	95	403540	41.64	ug/l	0.01
Spiked Amount			Recovery	=	83.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	165962	19.735	ug/l	98
3) Chloromethane	1.75	50	126367	20.796	ug/l	97
4) Vinyl Chloride	1.86	62	127090	21.282	ug/l	95
5) Bromomethane	2.15	94	38124	27.245	ug/l	93
6) Chloroethane	2.26	64	59816	23.871	ug/l	99
7) Trichlorofluoromethane	2.53	101	280241	24.138	ug/l	91
8) Diethyl Ether	2.88	74	41243	18.419	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.16	101	203337	23.152	ug/l	97
10) Methyl Iodide	3.32	142	211660	15.946	ug/l #	87
11) Tert butyl alcohol	4.09	59	41510	99.523	ug/l #	93
12) 1,1-Dichloroethene	3.14	96	145470	21.698	ug/l	95
13) Acrolein	3.05	56	37186	86.199	ug/l	99
14) Allyl chloride	3.63	41	218739	22.440	ug/l	92
15) Acrylonitrile	4.20	53	114845	104.757	ug/l	89
16) Acetone	3.23	43	191972	112.031	ug/l	91
17) Carbon Disulfide	3.38	76	357271	18.525	ug/l	98
18) Methyl Acetate	3.65	43	59638	19.273	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	291475	20.283	ug/l	94
20) Methylene Chloride	3.82	84	153674	21.479	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	148301	19.879	ug/l	96
22) Diisopropyl ether	5.13	45	482951	23.282	ug/l	92
23) Vinyl Acetate	5.07	43	1305872	119.319	ug/l	98
24) 1,1-Dichloroethane	5.00	63	282719	22.593	ug/l	98
25) 2-Butanone	6.08	43	211635	113.229	ug/l	97
26) 2,2-Dichloropropane	6.04	77	295227	23.684	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	182501	21.855	ug/l	96
28) Bromochloromethane	6.45	49	113844	23.123	ug/l	81
29) Tetrahydrofuran	6.47	42	85566	99.357	ug/l	95
30) Chloroform	6.68	83	338562	22.449	ug/l	98
31) Cyclohexane	6.97	56	166366	19.405	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	331577	23.261	ug/l	100
36) 1,1-Dichloropropene	7.16	75	235843	23.845	ug/l	96
37) Ethyl Acetate	6.20	43	90727	21.630	ug/l #	91
38) Carbon Tetrachloride	7.12	117	331720	24.232	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	207368	21.883	ug/l	94
40) Benzene	7.47	78	491109	21.989	ug/l	97
41) Methacrylonitrile	6.46	41	110931	21.642	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	218650	23.107	ug/l	96
43) Isopropyl Acetate	9.25	43	125048	21.021	ug/l	95
44) Trichloroethene	8.55	130	188555	22.155	ug/l	89
45) 1,2-Dichloropropane	8.95	63	118719	21.490	ug/l	90
46) Dibromomethane	9.07	93	95727	21.309	ug/l	90
47) Bromodichloromethane	9.39	83	252530	22.981	ug/l	97
48) Methyl methacrylate	9.13	41	88449	24.139	ug/l	90
49) 1,4-Dioxane	9.09	88	16649	421.126	ug/l #	91
51) 4-Methyl-2-Pentanone	10.31	43	414873	108.495	ug/l	97
52) Toluene	10.52	92	332778	22.900	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	207412	21.840	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	227000	21.910	ug/l #	90
55) 1,1,2-Trichloroethane	11.20	97	114557	22.280	ug/l	96
56) Ethyl methacrylate	11.05	69	109632	20.519	ug/l #	92
57) 1,3-Dichloropropane	11.42	76	176922	22.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	318942	109.284	ug/l	96
59) 2-Hexanone	11.54	43	320332	113.660	ug/l	94
60) Dibromochloromethane	11.70	129	194931	21.938	ug/l	96
61) 1,2-Dibromoethane	11.82	107	128874	20.617	ug/l	97
64) Tetrachloroethene	11.27	164	169054	22.820	ug/l	95
65) Chlorobenzene	12.41	112	392382	22.237	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	173824	22.635	ug/l	94
67) Ethyl Benzene	12.54	91	677512	22.935	ug/l	97
68) m/p-Xylenes	12.68	106	470058	43.736	ug/l	97
69) o-Xylene	13.06	106	241518	24.171	ug/l	95
70) Styrene	13.08	104	410231	24.236	ug/l	96
71) Bromoform	13.25	173	122196	22.871	ug/l #	96
73) Isopropylbenzene	13.41	105	679443	22.948	ug/l	94
74) N-amyl acetate	13.27	43	175558	22.616	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	126560	22.580	ug/l	92
76) 1,2,3-Trichloropropane	13.74	75	142239	24.232	ug/l	98
77) Bromobenzene	13.68	156	194449	23.461	ug/l	95
78) n-propylbenzene	13.79	91	911458	25.807	ug/l	100
79) 2-Chlorotoluene	13.85	91	450898	22.291	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	597333	23.959	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	35415	21.372	ug/l #	82
82) 4-Chlorotoluene	13.95	91	588740	24.734	ug/l	85
83) tert-Butylbenzene	14.20	119	630055	22.483	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	578491	23.122	ug/l	93
85) sec-Butylbenzene	14.38	105	754965	24.572	ug/l	98
86) p-Isopropyltoluene	14.49	119	626802	22.834	ug/l	90
87) 1,3-Dichlorobenzene	14.47	146	318108	21.010	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	330204	22.196	ug/l	98
89) n-Butylbenzene	14.81	91	625331	25.380	ug/l	98
90) Hexachloroethane	15.02	117	176325	23.620	ug/l	81
91) 1,2-Dichlorobenzene	14.82	146	310949	24.937	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	20986	22.809	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	220280	24.271	ug/l	92
94) Hexachlorobutadiene	16.05	225	164377	24.351	ug/l	99
95) Naphthalene	16.13	128	255248	20.144	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	159142	27.889	ug/l	98

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

