

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062254.D
 Acq On : 12 May 2019 13:02
 Operator : FY/SY
 Sample : VD0512SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS01

Quant Time: May 13 01:31:30 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	872222	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	1248953	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	1006047	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	539188	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	393420	48.54	ug/l	0.04
Spiked Amount			Recovery	=	97.08%	
35) Dibromofluoromethane	6.94	113	468796	45.24	ug/l	0.05
Spiked Amount			Recovery	=	90.48%	
50) Toluene-d8	10.43	98	1087040	43.51	ug/l	0.03
Spiked Amount			Recovery	=	87.02%	
62) 4-Bromofluorobenzene	13.56	95	481939	48.03	ug/l	0.02
Spiked Amount			Recovery	=	96.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	177444	21.271	ug/l	97
3) Chloromethane	1.76	50	123289	20.454	ug/l	97
4) Vinyl Chloride	1.85	62	128459	21.685	ug/l	98
5) Bromomethane	2.15	94	34994	25.210	ug/l	94
6) Chloroethane	2.26	64	52787	21.236	ug/l	92
7) Trichlorofluoromethane	2.53	101	285993	24.832	ug/l	98
8) Diethyl Ether	2.88	74	42989	19.354	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.15	101	205735	23.614	ug/l	93
10) Methyl Iodide	3.32	142	204692	15.545	ug/l	89
11) Tert butyl alcohol	4.08	59	46819	113.158	ug/l	96
12) 1,1-Dichloroethene	3.13	96	146681	22.055	ug/l	95
13) Acrolein	3.05	56	45726	106.850	ug/l	91
14) Allyl chloride	3.63	41	221907	22.948	ug/l #	86
15) Acrylonitrile	4.22	53	128557	118.211	ug/l #	91
16) Acetone	3.23	43	233017	137.081	ug/l #	88
17) Carbon Disulfide	3.38	76	373208	19.507	ug/l	99
18) Methyl Acetate	3.66	43	70399	22.992	ug/l	96
19) Methyl tert-butyl Ether	4.26	73	329292	23.100	ug/l	92
20) Methylene Chloride	3.83	84	152261	21.453	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	159599	21.566	ug/l	92
22) Diisopropyl ether	5.14	45	465339	22.614	ug/l	96
23) Vinyl Acetate	5.07	43	1367967	126.001	ug/l	97
24) 1,1-Dichloroethane	4.99	63	295486	23.804	ug/l	99
25) 2-Butanone	6.09	43	238470	128.616	ug/l	95
26) 2,2-Dichloropropane	6.04	77	297345	24.047	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	184125	22.228	ug/l	98
28) Bromochloromethane	6.45	49	117055	23.968	ug/l	89
29) Tetrahydrofuran	6.47	42	99275	116.206	ug/l	94
30) Chloroform	6.68	83	351769	23.513	ug/l	100
31) Cyclohexane	6.97	56	161560	18.997	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	331118	23.416	ug/l	99
36) 1,1-Dichloropropene	7.16	75	230705	22.529	ug/l	98
37) Ethyl Acetate	6.19	43	95938	22.092	ug/l #	86
38) Carbon Tetrachloride	7.12	117	328792	23.198	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	199035	20.286	ug/l	93
40) Benzene	7.46	78	482422	20.863	ug/l	98
41) Methacrylonitrile	6.46	41	122648	23.110	ug/l #	91
42) 1,2-Dichloroethane	7.59	62	228296	23.302	ug/l	95
43) Isopropyl Acetate	9.25	43	145493	23.623	ug/l	91
44) Trichloroethene	8.56	130	190951	21.671	ug/l	92
45) 1,2-Dichloropropane	8.95	63	121937	21.319	ug/l	93
46) Dibromomethane	9.07	93	105049	22.586	ug/l	96
47) Bromodichloromethane	9.39	83	268375	23.590	ug/l	98
48) Methyl methacrylate	9.14	41	90358	23.818	ug/l	88
49) 1,4-Dioxane	9.11	88	17546	428.662	ug/l #	86
51) 4-Methyl-2-Pentanone	10.31	43	475808	120.183	ug/l	95
52) Toluene	10.52	92	322877	21.460	ug/l	96
53) t-1,3-Dichloropropene	10.93	75	220833	22.459	ug/l	94
54) cis-1,3-Dichloropropene	10.05	75	240047	22.378	ug/l	92
55) 1,1,2-Trichloroethane	11.20	97	124178	23.327	ug/l	98
56) Ethyl methacrylate	11.06	69	117024	21.155	ug/l #	87
57) 1,3-Dichloropropane	11.42	76	179746	22.350	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	331454	109.694	ug/l	99
59) 2-Hexanone	11.54	43	348246	119.345	ug/l	94
60) Dibromochloromethane	11.70	129	201458	21.898	ug/l	93
61) 1,2-Dibromoethane	11.81	107	139732	21.590	ug/l	99
64) Tetrachloroethene	11.27	164	172290	21.901	ug/l	94
65) Chlorobenzene	12.40	112	412872	22.034	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	192339	23.585	ug/l	94
67) Ethyl Benzene	12.53	91	736410	23.475	ug/l	95
68) m/p-Xylenes	12.68	106	518522	45.432	ug/l	90
69) o-Xylene	13.05	106	252199	23.768	ug/l	84
70) Styrene	13.08	104	419982	23.365	ug/l	98
71) Bromoform	13.24	173	123305	21.733	ug/l #	96
73) Isopropylbenzene	13.41	105	773224	23.924	ug/l	96
74) N-amyl acetate	13.27	43	192620	22.731	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	137458	22.465	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	153436	23.945	ug/l	99
77) Bromobenzene	13.67	156	202941	22.430	ug/l	86
78) n-propylbenzene	13.78	91	934949	24.250	ug/l	96
79) 2-Chlorotoluene	13.85	91	511866	23.181	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	613650	22.547	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	39595	21.888	ug/l #	75
82) 4-Chlorotoluene	13.95	91	572270	22.024	ug/l	82
83) tert-Butylbenzene	14.19	119	696531	22.769	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	640266	23.443	ug/l	92
85) sec-Butylbenzene	14.37	105	752949	22.449	ug/l	97
86) p-Isopropyltoluene	14.50	119	679261	22.667	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	369968	22.384	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	340742	20.982	ug/l	99
89) n-Butylbenzene	14.80	91	594621	22.107	ug/l	95
90) Hexachloroethane	15.01	117	182388	22.381	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	297639	21.866	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	21627	21.532	ug/l	82

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93) 1,2,4-Trichlorobenzene	15.95	180	223765	22.585	ug/l	96
94) Hexachlorobutadiene	16.04	225	162152	22.005	ug/l	97
95) Naphthalene	16.13	128	319750	23.117	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	157503	25.284	ug/l	96

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

