

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
 Data File : VD069722.D
 Acq On : 16 Jul 2021 13:38
 Operator : VA/SY
 Sample : VD0716SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/19/2021 5:52:28 PM

Quant Time: Jul 16 16:15:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	603753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1088419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1018832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	477466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	392891	52.117	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.240%			
35) Dibromofluoromethane	7.914	113	379378	51.955	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.920%			
50) Toluene-d8	10.338	98	1510781	53.256	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.520%			
62) 4-Bromofluorobenzene	12.626	95	510683	53.977	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	96201	15.881	ug/l	95
3) Chloromethane	2.209	50	145075	16.833	ug/l	97
4) Vinyl Chloride	2.344	62	168149	18.309	ug/l	99
5) Bromomethane	2.750	94	108293	17.983	ug/l	99
6) Chloroethane	2.909	64	116488	19.824	ug/l	93
7) Trichlorofluoromethane	3.268	101	237366	20.495	ug/l	100
8) Diethyl Ether	3.709	74	67410	19.949	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.091	101	154867	21.562	ug/l	98
10) Methyl Iodide	4.297	142	113642	16.850	ug/l	98
11) Tert butyl alcohol	5.191	59	117362	116.520	ug/l #	86
12) 1,1-Dichloroethene	4.062	96	129114	19.609	ug/l	98
13) Acrolein	3.921	56	48293	92.920	ug/l	100
14) Allyl chloride	4.709	41	206653	20.313	ug/l	98
15) Acrylonitrile	5.415	53	156498	102.135	ug/l	100
16) Acetone	4.156	43	160059	108.318	ug/l	100
17) Carbon Disulfide	4.409	76	361198	15.846	ug/l	97
18) Methyl Acetate	4.721	43	123553	31.448	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	275456	19.762	ug/l	99
20) Methylene Chloride	4.956	84	235350	18.634	ug/l	97
21) trans-1,2-Dichloroethene	5.468	96	152679	19.417	ug/l	99
22) Diisopropyl ether	6.362	45	421948	20.012	ug/l	99
23) Vinyl Acetate	6.303	43	810547	79.569	ug/l	100
24) 1,1-Dichloroethane	6.262	63	311479	21.169	ug/l	99
25) 2-Butanone	7.209	43	194855	109.362	ug/l	97
26) 2,2-Dichloropropane	7.209	77	260989	22.233	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	179288	21.137	ug/l	100
28) Bromochloromethane	7.544	49	96115	16.927	ug/l	100
29) Tetrahydrofuran	7.567	42	108629	98.404	ug/l	98
30) Chloroform	7.709	83	319517	21.831	ug/l	99
31) Cyclohexane	7.985	56	225237	17.829	ug/l #	94
32) 1,1,1-Trichloroethane	7.903	97	264148	21.285	ug/l	98
36) 1,1-Dichloropropene	8.109	75	224979	20.036	ug/l	98
37) Ethyl Acetate	7.291	43	89053	20.966	ug/l	97
38) Carbon Tetrachloride	8.091	117	219163	21.315	ug/l	100
39) Methylcyclohexane	9.356	83	223448	17.965	ug/l	97
40) Benzene	8.350	78	681062	21.029	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	53811	24.445	ug/l	90
42) 1,2-Dichloroethane	8.420	62	182366	20.745	ug/l	99
43) Isopropyl Acetate	8.450	43	172730	22.207	ug/l	98
44) Trichloroethene	9.108	130	165484	21.071	ug/l	100
45) 1,2-Dichloropropane	9.385	63	185930	21.842	ug/l	100
46) Dibromomethane	9.473	93	88218	21.234	ug/l	99
47) Bromodichloromethane	9.656	83	241424	21.926	ug/l	99
48) Methyl methacrylate	9.450	41	75832	19.470	ug/l	91
49) 1,4-Dioxane	9.456	88	17459	374.003	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	457083	113.477	ug/l	99
52) Toluene	10.397	92	422320	21.680	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	211282	22.826	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	255358	22.466	ug/l	100
55) 1,1,2-Trichloroethane	10.797	97	130667	22.484	ug/l	96
56) Ethyl methacrylate	10.655	69	139672	19.849	ug/l	99
57) 1,3-Dichloropropane	10.944	76	226168	22.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	333491	106.369	ug/l	99
59) 2-Hexanone	10.979	43	304636	113.468	ug/l	98
60) Dibromochloromethane	11.138	129	148882	21.960	ug/l	99
61) 1,2-Dibromoethane	11.238	107	116732	21.649	ug/l	98
64) Tetrachloroethene	10.873	164	152234	24.469	ug/l	96
65) Chlorobenzene	11.661	112	445209	21.874	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	163068	22.429	ug/l	99
67) Ethyl Benzene	11.738	91	783361	21.735	ug/l	100
68) m/p-Xylenes	11.850	106	608456	44.645	ug/l	99
69) o-Xylene	12.173	106	269125	21.686	ug/l	100
70) Styrene	12.191	104	481642	22.240	ug/l	100
71) Bromoform	12.355	173	82357	23.364	ug/l #	98
73) Isopropylbenzene	12.473	105	741563	21.812	ug/l	100
74) N-amyl acetate	12.279	43	153944	20.838	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	146114	21.577	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	102601m	22.120	ug/l	
77) Bromobenzene	12.755	156	166253	22.041	ug/l	100
78) n-propylbenzene	12.814	91	972683	22.564	ug/l	99
79) 2-Chlorotoluene	12.897	91	553134	21.826	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	646393	22.416	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	41004	23.757	ug/l	98
82) 4-Chlorotoluene	12.997	91	583669	21.947	ug/l	100
83) tert-Butylbenzene	13.214	119	521575	22.186	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	638307	22.311	ug/l	100
85) sec-Butylbenzene	13.391	105	818908	22.165	ug/l	99
86) p-Isopropyltoluene	13.508	119	678782	22.557	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	344962	22.022	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	340247	21.750	ug/l	98
89) n-Butylbenzene	13.832	91	669564	22.459	ug/l	100
90) Hexachloroethane	14.096	117	126296	20.625	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	296857	21.978	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	23130	22.932	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	169778	22.610	ug/l	99
94) Hexachlorobutadiene	15.255	225	102619	22.667	ug/l	99
95) Naphthalene	15.391	128	290056	20.562	ug/l	99
96) 1,2,3-Trichlorobenzene	15.585	180	147727	22.903	ug/l	100

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

