

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
 Data File : VD069719.D
 Acq On : 16 Jul 2021 12:12
 Operator : VA/SY
 Sample : VD0716SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/19/2021 5:52:25 PM

Quant Time: Jul 16 16:14:08 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	578010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1024557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	980240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	470826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	378027	52.379	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.760%			
35) Dibromofluoromethane	7.914	113	367305	53.437	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.880%			
50) Toluene-d8	10.338	98	1422231	53.260	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.520%			
62) 4-Bromofluorobenzene	12.626	95	493005	55.357	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	88382	15.264	ug/l	99
3) Chloromethane	2.209	50	132459	16.040	ug/l	95
4) Vinyl Chloride	2.344	62	149545	17.008	ug/l	100
5) Bromomethane	2.750	94	107584	18.728	ug/l	95
6) Chloroethane	2.909	64	107976	19.193	ug/l	98
7) Trichlorofluoromethane	3.268	101	212220	19.140	ug/l	99
8) Diethyl Ether	3.703	74	61119	18.893	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	136413	19.839	ug/l	98
10) Methyl Iodide	4.297	142	94678	14.984	ug/l	100
11) Tert butyl alcohol	5.179	59	127859	132.596	ug/l #	79
12) 1,1-Dichloroethene	4.067	96	117485	18.638	ug/l	93
13) Acrolein	3.920	56	46398	93.250	ug/l	98
14) Allyl chloride	4.709	41	184092	18.901	ug/l	97
15) Acrylonitrile	5.420	53	148120	100.972	ug/l	98
16) Acetone	4.156	43	141754	100.835	ug/l	95
17) Carbon Disulfide	4.409	76	325165	14.926	ug/l	99
18) Methyl Acetate	4.720	43	115679	30.600	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	249309	18.683	ug/l	99
20) Methylene Chloride	4.962	84	235308	19.721	ug/l	100
21) trans-1,2-Dichloroethene	5.467	96	140497	18.664	ug/l	95
22) Diisopropyl ether	6.362	45	381604	18.905	ug/l	99
23) Vinyl Acetate	6.303	43	811389	82.496	ug/l	100
24) 1,1-Dichloroethane	6.261	63	290199	20.602	ug/l	96
25) 2-Butanone	7.214	43	180465	105.797	ug/l	96
26) 2,2-Dichloropropane	7.209	77	232124	20.654	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	161625	19.904	ug/l	98
28) Bromochloromethane	7.544	49	92069	16.936	ug/l	95
29) Tetrahydrofuran	7.561	42	99216	93.880	ug/l	98
30) Chloroform	7.708	83	295289	21.074	ug/l	94
31) Cyclohexane	7.985	56	197696	16.379	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	242449	20.406	ug/l	99
36) 1,1-Dichloropropene	8.108	75	203976	19.298	ug/l	98
37) Ethyl Acetate	7.291	43	85751	21.447	ug/l	98
38) Carbon Tetrachloride	8.097	117	198568	20.515	ug/l	95
39) Methylcyclohexane	9.355	83	185048	16.040	ug/l	97
40) Benzene	8.350	78	639681	20.982	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	41130	19.849	ug/l	93
42) 1,2-Dichloroethane	8.420	62	178270	21.543	ug/l	99
43) Isopropyl Acetate	8.450	43	157018	21.445	ug/l	98
44) Trichloroethene	9.108	130	149811	20.265	ug/l	98
45) 1,2-Dichloropropane	9.385	63	168769	21.062	ug/l	96
46) Dibromomethane	9.473	93	82266	21.036	ug/l	95
47) Bromodichloromethane	9.655	83	226302	21.834	ug/l	99
48) Methyl methacrylate	9.455	41	76152	20.697	ug/l	95
49) 1,4-Dioxane	9.467	88	16389	373.224	ug/l #	95
51) 4-Methyl-2-Pentanone	10.226	43	429573	113.295	ug/l	98
52) Toluene	10.397	92	386091	21.055	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	189268	21.722	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	229044	21.407	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	123202	22.521	ug/l	98
56) Ethyl methacrylate	10.655	69	126769	19.198	ug/l	98
57) 1,3-Dichloropropane	10.944	76	207292	21.463	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	315757	106.935	ug/l	100
59) 2-Hexanone	10.979	43	281285	111.301	ug/l	98
60) Dibromochloromethane	11.138	129	145301	22.767	ug/l	97
61) 1,2-Dibromoethane	11.244	107	111885	22.044	ug/l	100
64) Tetrachloroethene	10.873	164	127906	21.368	ug/l	97
65) Chlorobenzene	11.667	112	417149	21.303	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	153550	21.951	ug/l	99
67) Ethyl Benzene	11.738	91	716626	20.666	ug/l	99
68) m/p-Xylenes	11.849	106	554129	42.259	ug/l	99
69) o-Xylene	12.173	106	245231	20.538	ug/l	96
70) Styrene	12.191	104	444294	21.323	ug/l	99
71) Bromoform	12.349	173	74745	22.039	ug/l #	98
73) Isopropylbenzene	12.473	105	663992	19.806	ug/l	99
74) N-amyl acetate	12.285	43	146319	20.085	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	145020	21.717	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	99033m	21.652	ug/l	
77) Bromobenzene	12.755	156	153968	20.701	ug/l	98
78) n-propylbenzene	12.814	91	872476	20.525	ug/l	99
79) 2-Chlorotoluene	12.896	91	499060	19.970	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	581796	20.461	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	36840	21.646	ug/l	98
82) 4-Chlorotoluene	12.996	91	542978	20.705	ug/l	98
83) tert-Butylbenzene	13.214	119	460569	19.868	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	585488	20.753	ug/l	100
85) sec-Butylbenzene	13.391	105	728197	19.988	ug/l	100
86) p-Isopropyltoluene	13.508	119	609738	20.548	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	314470	20.358	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	316998	20.550	ug/l	98
89) n-Butylbenzene	13.832	91	588164	20.006	ug/l	100
90) Hexachloroethane	14.102	117	114899	19.028	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	278182	20.886	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	20360	20.471	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	152802	20.636	ug/l	99
94) Hexachlorobutadiene	15.255	225	93113	20.857	ug/l	98
95) Naphthalene	15.385	128	263755	19.132	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	132335	20.806	ug/l	99

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

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