

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081621\
 Data File : VD070063.D
 Acq On : 16 Aug 2021 13:28
 Operator : VA/SY
 Sample : VD0816SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/18/2021 6:57:16 PM

Quant Time: Aug 17 03:55:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	552678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1004075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	934503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	434489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	332913	51.215	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.420%	
35) Dibromofluoromethane	7.914	113	331119	51.044	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.080%	
50) Toluene-d8	10.337	98	1329639	52.699	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.400%	
62) 4-Bromofluorobenzene	12.626	95	434931	52.336	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.680%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	148978	24.896	ug/l	99
3) Chloromethane	2.208	50	192029	22.648	ug/l	98
4) Vinyl Chloride	2.350	62	199787	21.360	ug/l	99
5) Bromomethane	2.750	94	130286	23.085	ug/l	97
6) Chloroethane	2.908	64	127577	21.350	ug/l	97
7) Trichlorofluoromethane	3.267	101	241332	21.482	ug/l	100
8) Diethyl Ether	3.714	74	68277	21.237	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	152145	21.288	ug/l	99
10) Methyl Iodide	4.297	142	131752	20.162	ug/l	99
11) Tert butyl alcohol	5.220	59	37558	104.533	ug/l	97
12) 1,1-Dichloroethene	4.061	96	137126	20.884	ug/l	99
13) Acrolein	3.914	56	40263	97.287	ug/l	95
14) Allyl chloride	4.708	41	204334	20.856	ug/l	98
15) Acrylonitrile	5.420	53	157657	105.755	ug/l	98
16) Acetone	4.155	43	129985	108.549	ug/l	91
17) Carbon Disulfide	4.402	76	499005	21.020	ug/l	98
18) Methyl Acetate	4.714	43	80661	22.593	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	286437	21.020	ug/l	97
20) Methylene Chloride	4.961	84	246529	26.352	ug/l	95
21) trans-1,2-Dichloroethene	5.467	96	161852	21.221	ug/l	95
22) Diisopropyl ether	6.361	45	453471	22.007	ug/l	97
23) Vinyl Acetate	6.302	43	975951	104.511	ug/l	98
24) 1,1-Dichloroethane	6.255	63	292054	20.716	ug/l	99
25) 2-Butanone	7.208	43	179863	109.923	ug/l	96
26) 2,2-Dichloropropane	7.202	77	232123	21.147	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	168768	20.836	ug/l	98
28) Bromochloromethane	7.538	49	115337	22.482	ug/l	97
29) Tetrahydrofuran	7.555	42	117422	109.593	ug/l	98
30) Chloroform	7.708	83	291112	20.997	ug/l	99
31) Cyclohexane	7.985	56	272304	21.164	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	243628	21.028	ug/l	98
36) 1,1-Dichloropropene	8.108	75	225457	20.872	ug/l	100
37) Ethyl Acetate	7.290	43	83556	21.297	ug/l	99
38) Carbon Tetrachloride	8.096	117	200911	20.488	ug/l	94
39) Methylcyclohexane	9.355	83	256343	20.383	ug/l	96
40) Benzene	8.349	78	647718	20.674	ug/l	96

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	45272	21.343	ug/l	97
42) 1,2-Dichloroethane	8.420	62	169318	21.087	ug/l	99
43) Isopropyl Acetate	8.449	43	152262	20.787	ug/l	99
44) Trichloroethene	9.108	130	155564	20.554	ug/l	98
45) 1,2-Dichloropropane	9.384	63	169355	20.810	ug/l	96
46) Dibromomethane	9.473	93	83673	21.168	ug/l	98
47) Bromodichloromethane	9.655	83	209863	20.521	ug/l	100
48) Methyl methacrylate	9.449	41	79545	22.773	ug/l	95
49) 1,4-Dioxane	9.455	88	19353	449.899	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	414758	108.899	ug/l	99
52) Toluene	10.396	92	401851	21.073	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	193818	21.397	ug/l	99
54) cis-1,3-Dichloropropene	10.084	75	233952	21.279	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	116050	20.722	ug/l	94
56) Ethyl methacrylate	10.655	69	129043	20.248	ug/l	98
57) 1,3-Dichloropropane	10.943	76	203986	21.039	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.937	63	341145	101.488	ug/l	100
59) 2-Hexanone	10.979	43	279022	109.392	ug/l	97
60) Dibromochloromethane	11.131	129	131315	20.468	ug/l	98
61) 1,2-Dibromoethane	11.237	107	107603	21.223	ug/l	97
64) Tetrachloroethene	10.873	164	123913	20.554	ug/l	98
65) Chlorobenzene	11.661	112	404102	20.697	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.737	131	139231	20.080	ug/l	97
67) Ethyl Benzene	11.737	91	717143	20.774	ug/l	99
68) m/p-Xylenes	11.849	106	560217	41.875	ug/l	100
69) o-Xylene	12.173	106	249745	20.689	ug/l	100
70) Styrene	12.190	104	446788	21.133	ug/l	99
71) Bromoform	12.349	173	73640	21.798	ug/l #	98
73) Isopropylbenzene	12.473	105	667150	21.056	ug/l	100
74) N-amyl acetate	12.278	43	145625	21.317	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	134447	21.267	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	71434m	16.212	ug/l	
77) Bromobenzene	12.755	156	149807	21.302	ug/l	100
78) n-propylbenzene	12.814	91	877878	21.484	ug/l	99
79) 2-Chlorotoluene	12.902	91	505295	21.494	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	578977	21.464	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	37549	22.119	ug/l	96
82) 4-Chlorotoluene	12.996	91	538129	21.861	ug/l	99
83) tert-Butylbenzene	13.214	119	459040	20.937	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	579833	21.670	ug/l	99
85) sec-Butylbenzene	13.390	105	748423	21.306	ug/l	99
86) p-Isopropyltoluene	13.508	119	604489	21.300	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	307791	20.599	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	312183	21.094	ug/l	98
89) n-Butylbenzene	13.831	91	590653	21.210	ug/l	98
90) Hexachloroethane	14.102	117	122926	20.526	ug/l	100
91) 1,2-Dichlorobenzene	13.878	146	267734	20.911	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	19853	21.024	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	150985	21.206	ug/l	97
94) Hexachlorobutadiene	15.255	225	86785	20.634	ug/l	98
95) Naphthalene	15.384	128	266970	20.602	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	127936	20.584	ug/l	99

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

