

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081321\
 Data File : VD070047.D
 Acq On : 13 Aug 2021 13:58
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD081321

Manual Integrations
 APPROVED

MMDadoda
 8/16/2021 5:04:59 PM

Quant Time: Aug 14 02:37:08 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	583265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1056899	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1009938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	470937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	351320	51.212	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.420%			
35) Dibromofluoromethane	7.914	113	350318	51.304	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.600%			
50) Toluene-d8	10.338	98	1402233	52.799	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.600%			
62) 4-Bromofluorobenzene	12.626	95	466626	53.344	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	271679	48.345	ug/l	99
3) Chloromethane	2.209	50	411085	50.913	ug/l	99
4) Vinyl Chloride	2.344	62	446691	45.252	ug/l	100
5) Bromomethane	2.762	94	310981	58.117	ug/l	93
6) Chloroethane	2.915	64	294558	46.710	ug/l	99
7) Trichlorofluoromethane	3.268	101	541859	45.704	ug/l	95
8) Diethyl Ether	3.709	74	183413	54.057	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	350924	46.526	ug/l	99
10) Methyl Iodide	4.297	142	326793	47.386	ug/l	98
11) Tert butyl alcohol	5.226	59	98562	259.937	ug/l	99
12) 1,1-Dichloroethene	4.068	96	339997	49.066	ug/l	95
13) Acrolein	3.921	56	115283	263.949	ug/l	98
14) Allyl chloride	4.715	41	541243	52.347	ug/l	100
15) Acrylonitrile	5.420	53	424054	269.535	ug/l	100
16) Acetone	4.156	43	287535	227.526	ug/l	94
17) Carbon Disulfide	4.403	76	1201920	47.974	ug/l	99
18) Methyl Acetate	4.721	43	194375	51.588	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	805903	56.038	ug/l	99
20) Methylene Chloride	4.962	84	453710	53.200	ug/l	96
21) trans-1,2-Dichloroethene	5.468	96	409977	50.935	ug/l	99
22) Diisopropyl ether	6.362	45	1207351	55.521	ug/l	98
23) Vinyl Acetate	6.303	43	2889029	293.151	ug/l	100
24) 1,1-Dichloroethane	6.262	63	740658	49.782	ug/l	98
25) 2-Butanone	7.209	43	468778	271.468	ug/l	95
26) 2,2-Dichloropropane	7.209	77	560927	48.422	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	447489	52.351	ug/l	99
28) Bromochloromethane	7.544	49	256384	47.355	ug/l	100
29) Tetrahydrofuran	7.562	42	316875	280.237	ug/l	99
30) Chloroform	7.709	83	727137	49.696	ug/l	96
31) Cyclohexane	7.979	56	664744	48.956	ug/l	99
32) 1,1,1-Trichloroethane	7.903	97	602120	49.244	ug/l	99
36) 1,1-Dichloropropene	8.109	75	573757	50.462	ug/l	99
37) Ethyl Acetate	7.291	43	226036	54.732	ug/l	99
38) Carbon Tetrachloride	8.097	117	512437	49.644	ug/l	96
39) Methylcyclohexane	9.356	83	683428	51.626	ug/l	98
40) Benzene	8.350	78	1676245	50.828	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	118286	52.976	ug/l	98
42) 1,2-Dichloroethane	8.420	62	429165	50.777	ug/l	98
43) Isopropyl Acetate	8.450	43	420082	54.484	ug/l	100
44) Trichloroethene	9.108	130	399380	50.132	ug/l	100
45) 1,2-Dichloropropane	9.385	63	438413	51.179	ug/l	95
46) Dibromomethane	9.473	93	210605	50.618	ug/l	100
47) Bromodichloromethane	9.656	83	544604	50.592	ug/l	96
48) Methyl methacrylate	9.456	41	203227	55.273	ug/l	98
49) 1,4-Dioxane	9.456	88	51498	1137.339	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	1118430	278.978	ug/l	100
52) Toluene	10.397	92	1045976	52.109	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	502786	52.731	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	590382	51.014	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	302368	51.291	ug/l	98
56) Ethyl methacrylate	10.655	69	387878	57.818	ug/l	98
57) 1,3-Dichloropropane	10.938	76	529747	51.908	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	979878	276.935	ug/l	100
59) 2-Hexanone	10.979	43	756873	281.904	ug/l	98
60) Dibromochloromethane	11.138	129	342324	50.691	ug/l	98
61) 1,2-Dibromoethane	11.238	107	281449	52.736	ug/l	100
64) Tetrachloroethene	10.873	164	314338	48.246	ug/l	98
65) Chlorobenzene	11.661	112	1062465	50.351	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	372468	49.705	ug/l	100
67) Ethyl Benzene	11.738	91	1942508	52.066	ug/l	97
68) m/p-Xylenes	11.850	106	1507235	104.247	ug/l	99
69) o-Xylene	12.173	106	687525	52.701	ug/l	99
70) Styrene	12.185	104	1228131	53.751	ug/l	100
71) Bromoform	12.355	173	184020	50.403	ug/l #	99
73) Isopropylbenzene	12.473	105	1810917	52.732	ug/l	100
74) N-amyl acetate	12.279	43	399851	54.001	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	344683	50.302	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	237362m	49.699	ug/l	
77) Bromobenzene	12.749	156	388327	50.946	ug/l	99
78) n-propylbenzene	12.814	91	2333460	52.687	ug/l	99
79) 2-Chlorotoluene	12.897	91	1322047	51.883	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1537309	52.582	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	98415	53.487	ug/l	97
82) 4-Chlorotoluene	12.997	91	1381095	51.763	ug/l	100
83) tert-Butylbenzene	13.214	119	1263917	53.187	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1531503	52.807	ug/l	100
85) sec-Butylbenzene	13.391	105	1978274	51.959	ug/l	98
86) p-Isopropyltoluene	13.508	119	1618453	52.616	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	803590	49.619	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	788153	49.134	ug/l	98
89) n-Butylbenzene	13.832	91	1574421	52.160	ug/l	99
90) Hexachloroethane	14.102	117	310020	47.761	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	696051	50.157	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	50867	49.698	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	402923	52.211	ug/l	98
94) Hexachlorobutadiene	15.255	225	219385	48.125	ug/l	96
95) Naphthalene	15.391	128	781078	55.611	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	350678	52.056	ug/l	98

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

