

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092721\
 Data File : VD070489.D
 Acq On : 27 Sep 2021 20:35
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/28/2021 7:06:45 PM

Quant Time: Sep 28 04:17:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	336501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	616556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	598726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	284988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	219735	50.856	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.720%			
35) Dibromofluoromethane	7.914	113	228552	52.077	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.160%			
50) Toluene-d8	10.332	98	864392	54.247	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.500%			
62) 4-Bromofluorobenzene	12.626	95	292016	52.437	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.880%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	150477	44.217	ug/l	97
3) Chloromethane	2.209	50	219392	48.037	ug/l	98
4) Vinyl Chloride	2.344	62	233206	44.047	ug/l	97
5) Bromomethane	2.756	94	153059	47.331	ug/l	91
6) Chloroethane	2.915	64	156798	48.837	ug/l	99
7) Trichlorofluoromethane	3.267	101	311684	44.509	ug/l	94
8) Diethyl Ether	3.709	74	95743	49.458	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	197185	45.331	ug/l	100
10) Methyl Iodide	4.291	142	181990	43.833	ug/l	97
11) Tert butyl alcohol	5.226	59	51762	105.953	ug/l #	100
12) 1,1-Dichloroethene	4.067	96	177522	45.314	ug/l	93
13) Acrolein	3.914	56	43192	201.088	ug/l	95
14) Allyl chloride	4.714	41	258344	44.876	ug/l	99
15) Acrylonitrile	5.414	53	230983	250.428	ug/l	99
16) Acetone	4.156	43	157121	203.681	ug/l	99
17) Carbon Disulfide	4.403	76	605481	41.890	ug/l	100
18) Methyl Acetate	4.714	43	114765	54.340	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	433346	51.186	ug/l	96
20) Methylene Chloride	4.961	84	276967	58.916	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	223650	47.958	ug/l	98
22) Diisopropyl ether	6.361	45	618190	50.171	ug/l	96
23) Vinyl Acetate	6.303	43	1380611	241.865	ug/l	99
24) 1,1-Dichloroethane	6.261	63	412904	47.361	ug/l	97
25) 2-Butanone	7.208	43	243006	236.649	ug/l	95
26) 2,2-Dichloropropane	7.203	77	304558	43.218	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	254332	50.769	ug/l	98
28) Bromochloromethane	7.544	49	174757	50.520	ug/l	97
29) Tetrahydrofuran	7.561	42	166208	252.143	ug/l	97
30) Chloroform	7.708	83	436186	48.802	ug/l	96
31) Cyclohexane	7.979	56	307349	41.295	ug/l	96
32) 1,1,1-Trichloroethane	7.902	97	354513	47.124	ug/l	99
36) 1,1-Dichloropropene	8.108	75	302893	45.961	ug/l	100
37) Ethyl Acetate	7.291	43	116544	47.293	ug/l	98
38) Carbon Tetrachloride	8.091	117	302538	46.418	ug/l	99
39) Methylcyclohexane	9.349	83	333408	45.286	ug/l	94
40) Benzene	8.344	78	936444	48.489	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	62659	48.327	ug/l	94
42) 1,2-Dichloroethane	8.420	62	248754	48.091	ug/l	99
43) Isopropyl Acetate	8.450	43	213209	46.792	ug/l	99
44) Trichloroethene	9.108	130	225215	48.794	ug/l	86
45) 1,2-Dichloropropane	9.385	63	247093	48.766	ug/l	93
46) Dibromomethane	9.473	93	129509	49.636	ug/l	98
47) Bromodichloromethane	9.655	83	325659	48.924	ug/l	97
48) Methyl methacrylate	9.449	41	98293	46.722	ug/l #	90
49) 1,4-Dioxane	9.455	88	28720	1098.975	ug/l	92
51) 4-Methyl-2-Pentanone	10.226	43	601371	255.055	ug/l	99
52) Toluene	10.396	92	595564	51.037	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	274293	47.904	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	323051	46.359	ug/l	99
55) 1,1,2-Trichloroethane	10.796	97	183189	51.036	ug/l	99
56) Ethyl methacrylate	10.655	69	210715	53.776	ug/l	100
57) 1,3-Dichloropropane	10.938	76	310350	50.787	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	520205	275.448	ug/l	99
59) 2-Hexanone	10.979	43	397125	252.444	ug/l	99
60) Dibromochloromethane	11.132	129	212427	50.854	ug/l	99
61) 1,2-Dibromoethane	11.238	107	167885	50.858	ug/l	99
64) Tetrachloroethene	10.867	164	188579	51.732	ug/l	98
65) Chlorobenzene	11.661	112	619343	49.934	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	229107	50.434	ug/l	98
67) Ethyl Benzene	11.738	91	1102047	51.519	ug/l	98
68) m/p-Xylenes	11.843	106	871275	105.460	ug/l	99
69) o-Xylene	12.173	106	394313	53.276	ug/l	98
70) Styrene	12.185	104	709661	54.887	ug/l	99
71) Bromoform	12.349	173	116815	52.029	ug/l #	96
73) Isopropylbenzene	12.473	105	1027834	51.428	ug/l	100
74) N-amyl acetate	12.279	43	208700	47.926	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	208122	48.620	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	134183m	46.548	ug/l	
77) Bromobenzene	12.749	156	228201	49.491	ug/l	99
78) n-propylbenzene	12.808	91	1314480	50.674	ug/l	100
79) 2-Chlorotoluene	12.896	91	766815	50.715	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	885219	51.321	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	51341	44.625	ug/l	99
82) 4-Chlorotoluene	12.996	91	803566	50.377	ug/l	100
83) tert-Butylbenzene	13.214	119	719948	52.043	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	895035	52.694	ug/l	100
85) sec-Butylbenzene	13.390	105	1107806	50.379	ug/l	99
86) p-Isopropyltoluene	13.502	119	918405	51.982	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	478323	49.826	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	469651	48.740	ug/l	100
89) n-Butylbenzene	13.832	91	859324	48.783	ug/l	99
90) Hexachloroethane	14.096	117	185030	45.750	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	415532	49.059	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	31670	49.401	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	224786	49.145	ug/l	98
94) Hexachlorobutadiene	15.249	225	132264	47.143	ug/l	99
95) Naphthalene	15.384	128	426841	51.348	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	198589	49.209	ug/l	99

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

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