

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020122\
 Data File : VD071871.D
 Acq On : 01 Feb 2022 16:50
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 6.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/02/2022
 Supervised By : Semsettin Yesilyurt 02/02/2022

Quant Time: Feb 02 07:06:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	377613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	626517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	568704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	280546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	233297	48.880	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.760%		
35) Dibromofluoromethane	7.908	113	208004	50.508	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.020%		
50) Toluene-d8	10.338	98	806619	52.445	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.880%		
62) 4-Bromofluorobenzene	12.626	95	269090	50.100	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	215825	48.198	ug/l	97
3) Chloromethane	2.215	50	273004	50.922	ug/l	98
4) Vinyl Chloride	2.356	62	291947	52.015	ug/l	100
5) Bromomethane	2.773	94	181667	49.055	ug/l	99
6) Chloroethane	2.926	64	190076	53.438	ug/l	96
7) Trichlorofluoromethane	3.279	101	407862	50.705	ug/l	100
8) Diethyl Ether	3.709	74	99016	46.652	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	233429	51.438	ug/l	99
10) Methyl Iodide	4.303	142	233319	50.152	ug/l	96
11) Tert butyl alcohol	5.220	59	50671	163.899	ug/l	97
12) 1,1-Dichloroethene	4.073	96	211678	51.024	ug/l	99
13) Acrolein	3.926	56	63942	150.834	ug/l	95
14) Allyl chloride	4.714	41	407239	51.498	ug/l	98
15) Acrylonitrile	5.420	53	247317	229.273	ug/l	100
16) Acetone	4.156	43	335357	256.680	ug/l	97
17) Carbon Disulfide	4.409	76	744904	51.495	ug/l	99
18) Methyl Acetate	4.714	43	114365	40.486	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	479076	48.272	ug/l	96
20) Methylene Chloride	4.967	84	238615	50.039	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	251659	52.108	ug/l	97
22) Diisopropyl ether	6.361	45	828926	53.483	ug/l	95
23) Vinyl Acetate	6.303	43	2189111	256.033	ug/l	98
24) 1,1-Dichloroethane	6.261	63	475287	52.612	ug/l	99
25) 2-Butanone	7.208	43	369220	242.412	ug/l	99
26) 2,2-Dichloropropane	7.208	77	393634	52.655	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	271388	52.318	ug/l	98
28) Bromochloromethane	7.538	49	159416	46.786	ug/l	100
29) Tetrahydrofuran	7.561	42	210201	233.244	ug/l	98
30) Chloroform	7.708	83	475480	51.519	ug/l	98
31) Cyclohexane	7.985	56	470091	51.591	ug/l	98
32) 1,1,1-Trichloroethane	7.902	97	427267	52.487	ug/l	97
36) 1,1-Dichloropropene	8.108	75	385356	54.518	ug/l	99
37) Ethyl Acetate	7.285	43	150049	45.659	ug/l	99
38) Carbon Tetrachloride	8.097	117	378800	54.190	ug/l	99
39) Methylcyclohexane	9.349	83	450912	55.055	ug/l	95
40) Benzene	8.350	78	1018705	53.391	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	88221	47.452	ug/l	95
42) 1,2-Dichloroethane	8.420	62	305531	50.711	ug/l	99
43) Isopropyl Acetate	8.450	43	287086	48.605	ug/l	99
44) Trichloroethene	9.108	130	260575	52.893	ug/l	99
45) 1,2-Dichloropropane	9.385	63	259465	52.739	ug/l	96
46) Dibromomethane	9.467	93	127125	49.349	ug/l	99
47) Bromodichloromethane	9.655	83	355488	52.180	ug/l	100
48) Methyl methacrylate	9.449	41	147743	47.264	ug/l	97
49) 1,4-Dioxane	9.455	88	27871	947.907	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	745086	241.057	ug/l	100
52) Toluene	10.396	92	658106	55.468	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	317593	50.756	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	384658	52.444	ug/l	99
55) 1,1,2-Trichloroethane	10.796	97	169846	49.679	ug/l	98
56) Ethyl methacrylate	10.655	69	214982	50.788	ug/l	99
57) 1,3-Dichloropropane	10.938	76	308838	50.600	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	480509	241.140	ug/l	100
59) 2-Hexanone	10.979	43	574727	256.185	ug/l	99
60) Dibromochloromethane	11.132	129	214864	50.894	ug/l	100
61) 1,2-Dibromoethane	11.238	107	161969	49.171	ug/l	99
64) Tetrachloroethene	10.873	164	216878	53.913	ug/l	97
65) Chlorobenzene	11.661	112	651392	54.141	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	233583	53.367	ug/l	99
67) Ethyl Benzene	11.738	91	1252287	56.566	ug/l	100
68) m/p-Xylenes	11.849	106	969787	115.169	ug/l	99
69) o-Xylene	12.173	106	435356	56.892	ug/l	99
70) Styrene	12.185	104	744694	56.459	ug/l	100
71) Bromoform	12.349	173	115046	49.229	ug/l #	96
73) Isopropylbenzene	12.473	105	1194079	54.966	ug/l	100
74) N-amyl acetate	12.279	43	268500	50.258	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	186641	46.427	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	130422m	44.112	ug/l	
77) Bromobenzene	12.755	156	248572	51.438	ug/l	95
78) n-propylbenzene	12.814	91	1498692	55.018	ug/l	100
79) 2-Chlorotoluene	12.902	91	820136	53.130	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	985988	54.720	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	53693	44.652	ug/l	96
82) 4-Chlorotoluene	12.996	91	859388	53.511	ug/l	99
83) tert-Butylbenzene	13.214	119	834013	55.849	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	978883	55.227	ug/l	99
85) sec-Butylbenzene	13.390	105	1298579	55.575	ug/l	100
86) p-Isopropyltoluene	13.508	119	1075218	56.628	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	515210	52.504	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	498648	50.917	ug/l	99
89) n-Butylbenzene	13.832	91	1043160	55.997	ug/l	100
90) Hexachloroethane	14.102	117	203173	53.832	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	423999	50.491	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	30956	46.495	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	251503	51.269	ug/l	100
94) Hexachlorobutadiene	15.249	225	147924	55.302	ug/l	99
95) Naphthalene	15.384	128	439122	45.202	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	216554	51.502	ug/l	98

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

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