

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022122\
 Data File : VD072045.D
 Acq On : 21 Feb 2022 21:13
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2022
 Supervised By :Mahesh Dadoda 02/23/2022

Quant Time: Feb 22 01:10:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	449734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	752168	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	713919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	358695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	268976	57.657	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.320%			
35) Dibromofluoromethane	7.914	113	247136	54.230	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.460%			
50) Toluene-d8	10.337	98	947713	56.078	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.160%			
62) 4-Bromofluorobenzene	12.626	95	341891	55.075	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.140%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	201707	47.569	ug/l	97
3) Chloromethane	2.208	50	199120	51.862	ug/l	99
4) Vinyl Chloride	2.350	62	185004	48.329	ug/l	98
5) Bromomethane	2.767	94	125922	52.676	ug/l	95
6) Chloroethane	2.920	64	124041	51.266	ug/l	95
7) Trichlorofluoromethane	3.273	101	373297	50.405	ug/l	96
8) Diethyl Ether	3.708	74	119789	56.739	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	226389	48.927	ug/l	99
10) Methyl Iodide	4.297	142	236586	46.562	ug/l	100
11) Tert butyl alcohol	5.226	59	73070	274.520	ug/l #	96
12) 1,1-Dichloroethene	4.073	96	204571	49.776	ug/l	99
13) Acrolein	3.926	56	98773	188.184	ug/l	100
14) Allyl chloride	4.714	41	373120	51.803	ug/l	98
15) Acrylonitrile	5.426	53	319338	279.860	ug/l	99
16) Acetone	4.161	43	236103	234.182	ug/l	98
17) Carbon Disulfide	4.414	76	585483	51.164	ug/l	100
18) Methyl Acetate	4.720	43	143016	55.958	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	594845	59.496	ug/l	99
20) Methylene Chloride	4.967	84	268751	53.560	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	245458	53.153	ug/l	95
22) Diisopropyl ether	6.367	45	837204	55.664	ug/l	99
23) Vinyl Acetate	6.302	43	2408445	299.861	ug/l	99
24) 1,1-Dichloroethane	6.261	63	474202	52.997	ug/l	98
25) 2-Butanone	7.208	43	382099	274.209	ug/l	97
26) 2,2-Dichloropropane	7.208	77	361815	50.533	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	292306	55.247	ug/l	99
28) Bromochloromethane	7.543	49	198076	51.929	ug/l	100
29) Tetrahydrofuran	7.561	42	254001	285.615	ug/l	98
30) Chloroform	7.708	83	494184	53.793	ug/l	97
31) Cyclohexane	7.985	56	398970	48.419	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	411609	52.064	ug/l	98
36) 1,1-Dichloropropene	8.108	75	348561	50.494	ug/l	100
37) Ethyl Acetate	7.290	43	178737	55.836	ug/l	96
38) Carbon Tetrachloride	8.096	117	362168	51.188	ug/l	98
39) Methylcyclohexane	9.349	83	416083	51.500	ug/l	97
40) Benzene	8.349	78	1028909	52.822	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	97788	49.263	ug/l	90
42) 1,2-Dichloroethane	8.426	62	324116	55.471	ug/l	99
43) Isopropyl Acetate	8.449	43	333012	55.865	ug/l	98
44) Trichloroethene	9.108	130	272907	51.404	ug/l	97
45) 1,2-Dichloropropane	9.384	63	271056	52.167	ug/l	98
46) Dibromomethane	9.473	93	149680	54.587	ug/l	99
47) Bromodichloromethane	9.655	83	382939	54.139	ug/l	99
48) Methyl methacrylate	9.449	41	172418	57.259	ug/l	93
49) 1,4-Dioxane	9.455	88	38934	1196.922	ug/l	90
51) 4-Methyl-2-Pentanone	10.226	43	903993	286.151	ug/l	99
52) Toluene	10.396	92	667635	53.559	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	357510	55.265	ug/l	100
54) cis-1,3-Dichloropropene	10.084	75	408220	53.318	ug/l	99
55) 1,1,2-Trichloroethane	10.790	97	215720	55.904	ug/l	97
56) Ethyl methacrylate	10.655	69	272750	59.190	ug/l	99
57) 1,3-Dichloropropane	10.937	76	369805	55.448	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.937	63	595372	288.801	ug/l	99
59) 2-Hexanone	10.979	43	624207	289.680	ug/l	99
60) Dibromochloromethane	11.131	129	265864	55.173	ug/l	98
61) 1,2-Dibromoethane	11.237	107	201641	54.682	ug/l	99
64) Tetrachloroethene	10.873	164	232649	51.617	ug/l	95
65) Chlorobenzene	11.661	112	723766	52.309	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.737	131	273472	53.253	ug/l	99
67) Ethyl Benzene	11.737	91	1293570	53.168	ug/l	99
68) m/p-Xylenes	11.849	106	993235	106.643	ug/l	100
69) o-Xylene	12.173	106	470752	53.730	ug/l	98
70) Styrene	12.184	104	841818	55.989	ug/l	99
71) Bromoform	12.349	173	160207	54.395	ug/l #	97
73) Isopropylbenzene	12.473	105	1257513	51.060	ug/l	99
74) N-amyl acetate	12.278	43	321551	54.070	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	247356	50.799	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	169560m	49.905	ug/l	
77) Bromobenzene	12.755	156	302346	52.424	ug/l	99
78) n-propylbenzene	12.808	91	1558192	51.474	ug/l	100
79) 2-Chlorotoluene	12.896	91	903203	51.551	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1067174	51.893	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	70973	52.310	ug/l	97
82) 4-Chlorotoluene	12.996	91	932873	51.159	ug/l	100
83) tert-Butylbenzene	13.214	119	919874	52.061	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1073862	53.119	ug/l	99
85) sec-Butylbenzene	13.390	105	1370076	50.902	ug/l	99
86) p-Isopropyltoluene	13.502	119	1153938	52.125	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	597718	51.269	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	588776	50.260	ug/l	99
89) n-Butylbenzene	13.831	91	1091187	51.835	ug/l	99
90) Hexachloroethane	14.096	117	221257	49.791	ug/l	99
91) 1,2-Dichlorobenzene	13.878	146	528278	51.672	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	39931	52.641	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	329821	52.520	ug/l	98
94) Hexachlorobutadiene	15.249	225	170762	49.450	ug/l	98
95) Naphthalene	15.384	128	662353	58.100	ug/l	100
96) 1,2,3-Trichlorobenzene	15.578	180	298213	55.054	ug/l	99

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

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