

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120621\
 Data File : VD071172.D
 Acq On : 06 Dec 2021 17:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 07 06:53:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin
 Yesilyurt
 12/07/2021

Supervised By : Amit
 Patel
 12/08/2021

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	392899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	658790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	596265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	289741	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.326	65	237520	51.520	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.040%	
35) Dibromofluoromethane	7.908	113	204876	48.837	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.680%	
50) Toluene-d8	10.332	98	728268	45.618	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.240%	
62) 4-Bromofluorobenzene	12.626	95	281798	50.922	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.840%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.991	85	170150	50.783	ug/l	97
3) Chloromethane	2.209	50	235410	53.109	ug/l	99
4) Vinyl Chloride	2.344	62	251817	50.920	ug/l	100
5) Bromomethane	2.767	94	151668	42.544	ug/l	97
6) Chloroethane	2.920	64	173180	50.915	ug/l	90
7) Trichlorofluoromethane	3.267	101	393893	58.797	ug/l	99
8) Diethyl Ether	3.709	74	113148	62.301	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.091	101	219811	55.614	ug/l	97
10) Methyl Iodide	4.297	142	201330	44.382	ug/l	94
11) Tert butyl alcohol	5.209	59	106331	379.582	ug/l #	93
12) 1,1-Dichloroethene	4.067	96	200086	54.857	ug/l	89
13) Acrolein	3.914	56	74162	235.400	ug/l	99
14) Allyl chloride	4.714	41	396934	57.294	ug/l #	78
15) Acrylonitrile	5.420	53	273644	309.814	ug/l	95
16) Acetone	4.156	43	394500	313.355	ug/l #	86
17) Carbon Disulfide	4.403	76	524515	49.116	ug/l	98
18) Methyl Acetate	4.714	43	211307	62.122	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	565838	63.301	ug/l	100
20) Methylene Chloride	4.961	84	262965	57.120	ug/l #	89
21) trans-1,2-Dichloroethene	5.467	96	219794	53.532	ug/l	84
22) Diisopropyl ether	6.361	45	832695	59.990	ug/l	93
23) Vinyl Acetate	6.303	43	2057187	271.442	ug/l	96
24) 1,1-Dichloroethane	6.261	63	445310	55.777	ug/l	99
25) 2-Butanone	7.208	43	405492	282.619	ug/l #	88
26) 2,2-Dichloropropane	7.203	77	381760	52.585	ug/l	95
27) cis-1,2-Dichloroethene	7.203	96	254043	54.692	ug/l	90
28) Bromochloromethane	7.544	49	176111	50.786	ug/l	91
29) Tetrahydrofuran	7.561	42	230514	314.885	ug/l	92
30) Chloroform	7.708	83	455595	56.860	ug/l	98
31) Cyclohexane	7.979	56	385406	49.147	ug/l	98
32) 1,1,1-Trichloroethane	7.902	97	404776	56.268	ug/l	95
36) 1,1-Dichloropropene	8.108	75	323596	52.555	ug/l	97
37) Ethyl Acetate	7.285	43	163231	61.372	ug/l #	93
38) Carbon Tetrachloride	8.097	117	337622	55.626	ug/l	96
39) Methylcyclohexane	9.355	83	421256	56.882	ug/l	99
40) Benzene	8.350	78	878788	52.544	ug/l	97

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41) Methacrylonitrile	7.514	41	97013	68.980	ug/l	#	79
42) 1,2-Dichloroethane	8.420	62	306986	60.132	ug/l		93
43) Isopropyl Acetate	8.450	43	320377	54.248	ug/l	#	88
44) Trichloroethene	9.108	130	232007	52.028	ug/l		87
45) 1,2-Dichloropropane	9.379	63	236544	53.780	ug/l		99
46) Dibromomethane	9.473	93	128943	56.506	ug/l		95
47) Bromodichloromethane	9.655	83	338180	56.038	ug/l		99
48) Methyl methacrylate	9.449	41	159624	61.313	ug/l	#	76
49) 1,4-Dioxane	9.455	88	29464	1337.592	ug/l		94
51) 4-Methyl-2-Pentanone	10.220	43	823660	271.609	ug/l		91
52) Toluene	10.397	92	563266	53.080	ug/l		97
53) t-1,3-Dichloropropene	10.614	75	316767	57.091	ug/l		95
54) cis-1,3-Dichloropropene	10.085	75	356595	54.106	ug/l	#	77
55) 1,1,2-Trichloroethane	10.796	97	190898	63.770	ug/l		96
56) Ethyl methacrylate	10.655	69	238966	54.800	ug/l	#	71
57) 1,3-Dichloropropane	10.938	76	304687	57.938	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.938	63	484667	237.925	ug/l		99
59) 2-Hexanone	10.979	43	651664	283.058	ug/l		85
60) Dibromochloromethane	11.132	129	215324	57.875	ug/l		99
61) 1,2-Dibromoethane	11.238	107	164791	57.318	ug/l		99
64) Tetrachloroethene	10.867	164	187667	49.577	ug/l		97
65) Chlorobenzene	11.661	112	590840	53.406	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.738	131	225546	55.836	ug/l		97
67) Ethyl Benzene	11.738	91	1153234	55.372	ug/l		99
68) m/p-Xylenes	11.849	106	879380	111.840	ug/l		95
69) o-Xylene	12.173	106	403733	54.632	ug/l		95
70) Styrene	12.185	104	694590	55.768	ug/l		97
71) Bromoform	12.349	173	121511	58.064	ug/l	#	100
73) Isopropylbenzene	12.473	105	1117277	53.255	ug/l		98
74) N-amyl acetate	12.279	43	321452	55.284	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.720	83	198083	57.334	ug/l		98
76) 1,2,3-Trichloropropane	12.773	75	166533m	60.327	ug/l		
77) Bromobenzene	12.749	156	235559	51.838	ug/l		95
78) n-propylbenzene	12.808	91	1381426	52.874	ug/l		99
79) 2-Chlorotoluene	12.896	91	777296	53.008	ug/l		99
80) 1,3,5-Trimethylbenzene	12.949	105	965612	55.815	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.520	75	56407	48.047	ug/l	#	74
82) 4-Chlorotoluene	12.996	91	796863	52.345	ug/l		100
83) tert-Butylbenzene	13.214	119	783723	52.750	ug/l		96
84) 1,2,4-Trimethylbenzene	13.255	105	977685	57.884	ug/l		98
85) sec-Butylbenzene	13.390	105	1202784	53.004	ug/l		99
86) p-Isopropyltoluene	13.502	119	1003164	54.050	ug/l		97
87) 1,3-Dichlorobenzene	13.502	146	473698	52.366	ug/l		98
88) 1,4-Dichlorobenzene	13.585	146	464380	51.816	ug/l		96
89) n-Butylbenzene	13.832	91	983891	54.304	ug/l		98
90) Hexachloroethane	14.102	117	173660	49.358	ug/l		95
91) 1,2-Dichlorobenzene	13.879	146	414194	53.843	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	33391	59.348	ug/l		96
93) 1,2,4-Trichlorobenzene	15.143	180	257374	53.637	ug/l		96
94) Hexachlorobutadiene	15.249	225	136240	50.181	ug/l		99
95) Naphthalene	15.384	128	528823	62.517	ug/l		99
96) 1,2,3-Trichlorobenzene	15.573	180	223887	54.935	ug/l		98

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

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