

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
 Data File : VD071388.D
 Acq On : 20 Dec 2021 13:03
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 20 20:51:16 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 12/20/2021
 Supervised By : Mahesh Dadoda 12/22/2021

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	286156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	471486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	440166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	220567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	160736	47.871	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.740%		
35) Dibromofluoromethane	7.914	113	147680	49.188	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.380%		
50) Toluene-d8	10.332	98	502789	44.006	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.020%		
62) 4-Bromofluorobenzene	12.626	95	193070	48.749	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	105181	43.102	ug/l	97
3) Chloromethane	2.208	50	155623	48.205	ug/l	95
4) Vinyl Chloride	2.350	62	192270	53.382	ug/l	95
5) Bromomethane	2.773	94	135966	52.367	ug/l	97
6) Chloroethane	2.926	64	142007	57.324	ug/l	93
7) Trichlorofluoromethane	3.279	101	263824	54.071	ug/l	99
8) Diethyl Ether	3.714	74	71564	54.103	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	156995	54.538	ug/l	96
10) Methyl Iodide	4.308	142	147751	44.686	ug/l	94
11) Tert butyl alcohol	5.208	59	53371	246.482	ug/l #	91
12) 1,1-Dichloroethene	4.073	96	134488	50.626	ug/l	85
13) Acrolein	3.920	56	45067	196.409	ug/l	98
14) Allyl chloride	4.714	41	266401	52.796	ug/l #	80
15) Acrylonitrile	5.414	53	191196	297.216	ug/l	93
16) Acetone	4.150	43	250237	276.885	ug/l #	88
17) Carbon Disulfide	4.408	76	334220	42.971	ug/l	98
18) Methyl Acetate	4.708	43	140486	56.707	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	372528	57.221	ug/l	100
20) Methylene Chloride	4.961	84	177429	52.581	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	150425	50.304	ug/l	87
22) Diisopropyl ether	6.361	45	592235	58.582	ug/l	92
23) Vinyl Acetate	6.302	43	1438595	261.712	ug/l	97
24) 1,1-Dichloroethane	6.267	63	328574	56.507	ug/l	98
25) 2-Butanone	7.208	43	280470	269.828	ug/l #	89
26) 2,2-Dichloropropane	7.202	77	280227	52.998	ug/l	93
27) cis-1,2-Dichloroethene	7.208	96	184586	54.562	ug/l	90
28) Bromochloromethane	7.544	49	134185	53.130	ug/l	89
29) Tetrahydrofuran	7.555	42	156978	294.423	ug/l	94
30) Chloroform	7.708	83	340496	58.347	ug/l	97
31) Cyclohexane	7.985	56	267108	46.767	ug/l	98
32) 1,1,1-Trichloroethane	7.902	97	292028	55.737	ug/l #	94
36) 1,1-Dichloropropene	8.108	75	238018	54.013	ug/l	98
37) Ethyl Acetate	7.291	43	120598	63.356	ug/l #	88
38) Carbon Tetrachloride	8.091	117	257648	59.313	ug/l	99
39) Methylcyclohexane	9.349	83	266088	50.203	ug/l	99
40) Benzene	8.349	78	651132	54.398	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	79811	76.130	ug/l #	71
42) 1,2-Dichloroethane	8.420	62	218778	59.878	ug/l	94
43) Isopropyl Acetate	8.449	43	223474	53.004	ug/l #	88
44) Trichloroethene	9.108	130	168787	52.887	ug/l	90
45) 1,2-Dichloropropane	9.379	63	178865	56.822	ug/l	96
46) Dibromomethane	9.467	93	95906	58.725	ug/l	95
47) Bromodichloromethane	9.655	83	261166	60.469	ug/l	98
48) Methyl methacrylate	9.449	41	111085	59.619	ug/l #	83
49) 1,4-Dioxane	9.455	88	20582	1305.562	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	611724	280.702	ug/l	89
52) Toluene	10.396	92	426974	56.220	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	238826	60.143	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	269206	57.073	ug/l #	80
55) 1,1,2-Trichloroethane	10.790	97	128825	60.130	ug/l	95
56) Ethyl methacrylate	10.655	69	165930	53.345	ug/l #	74
57) 1,3-Dichloropropane	10.937	76	228756	60.780	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	436176	299.183	ug/l	100
59) 2-Hexanone	10.979	43	445874	272.129	ug/l	87
60) Dibromochloromethane	11.132	129	163788	61.511	ug/l	100
61) 1,2-Dibromoethane	11.237	107	117443	57.077	ug/l	97
64) Tetrachloroethene	10.867	164	138123	49.429	ug/l	95
65) Chlorobenzene	11.661	112	448521	54.919	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.737	131	173622	58.224	ug/l	97
67) Ethyl Benzene	11.737	91	847921	55.151	ug/l	99
68) m/p-Xylenes	11.843	106	637734	109.871	ug/l	94
69) o-Xylene	12.173	106	295755	54.213	ug/l	94
70) Styrene	12.184	104	529614	57.602	ug/l	96
71) Bromoform	12.349	173	91678	59.345	ug/l #	97
73) Isopropylbenzene	12.473	105	822143	51.478	ug/l	100
74) N-amyl acetate	12.279	43	212672	48.793	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	148408	56.427	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	120295m	57.243	ug/l	
77) Bromobenzene	12.749	156	180577	52.201	ug/l	98
78) n-propylbenzene	12.808	91	1042372	52.409	ug/l	100
79) 2-Chlorotoluene	12.896	91	574416	51.458	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	695828	52.835	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	42677	47.788	ug/l #	72
82) 4-Chlorotoluene	12.996	91	598845	51.674	ug/l	100
83) tert-Butylbenzene	13.214	119	597853	52.859	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	691983	53.818	ug/l	97
85) sec-Butylbenzene	13.390	105	931196	53.905	ug/l	100
86) p-Isopropyltoluene	13.502	119	764015	54.074	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	374209	54.342	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	367318	53.840	ug/l	99
89) n-Butylbenzene	13.831	91	744030	53.945	ug/l	98
90) Hexachloroethane	14.096	117	146341	54.638	ug/l	91
91) 1,2-Dichlorobenzene	13.878	146	325148	55.523	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	24874	58.075	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	193336	52.928	ug/l	100
94) Hexachlorobutadiene	15.249	225	107300	51.916	ug/l	100
95) Naphthalene	15.384	128	359360	55.807	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	164647	53.069	ug/l	97

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

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