

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
 Data File : VD071312.D
 Acq On : 14 Dec 2021 11:15
 Operator : VA/SY
 Sample : VD1214SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1214SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/15/2021
 Supervised By : Mahesh Dadoda 12/17/2021

Quant Time: Dec 15 08:25:42 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

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	265383	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	445282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	412040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	209717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	176892	56.806	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.620%			
35) Dibromofluoromethane	7.914	113	159305	56.182	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.360%			
50) Toluene-d8	10.338	98	550190	50.988	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.980%			
62) 4-Bromofluorobenzene	12.626	95	208776	55.816	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	47293	20.897	ug/l	99
3) Chloromethane	2.209	50	69018	23.052	ug/l	100
4) Vinyl Chloride	2.350	62	82850	24.803	ug/l	98
5) Bromomethane	2.756	94	58535	24.309	ug/l	86
6) Chloroethane	2.921	64	57150	24.876	ug/l	90
7) Trichlorofluoromethane	3.279	101	96141	21.247	ug/l	97
8) Diethyl Ether	3.709	74	25085	20.449	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.091	101	54693	20.487	ug/l	97
10) Methyl Iodide	4.303	142	41130	16.605	ug/l	96
11) Tert butyl alcohol	5.197	59	41127	190.255	ug/l #	80
12) 1,1-Dichloroethene	4.068	96	45918	18.638	ug/l	81
13) Acrolein	3.921	56	21766	102.285	ug/l	98
14) Allyl chloride	4.715	41	93293	19.936	ug/l #	82
15) Acrylonitrile	5.420	53	70935	118.901	ug/l	97
16) Acetone	4.150	43	75503	110.860	ug/l #	85
17) Carbon Disulfide	4.415	76	135696	18.812	ug/l	99
18) Methyl Acetate	4.715	43	59186	25.761	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	126220	20.905	ug/l	96
20) Methylene Chloride	4.968	84	77118	22.222	ug/l	91
21) trans-1,2-Dichloroethene	5.479	96	54847	19.777	ug/l	89
22) Diisopropyl ether	6.362	45	187793	20.030	ug/l #	88
23) Vinyl Acetate	6.309	43	443346	105.141	ug/l	100
24) 1,1-Dichloroethane	6.262	63	109154	20.241	ug/l	97
25) 2-Butanone	7.209	43	99824	121.029	ug/l #	84
26) 2,2-Dichloropropane	7.209	77	88162	17.979	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	64755	20.639	ug/l	94
28) Bromochloromethane	7.544	49	57004	24.337	ug/l	87
29) Tetrahydrofuran	7.561	42	60025	121.393	ug/l	93
30) Chloroform	7.709	83	112940	20.868	ug/l	97
31) Cyclohexane	7.985	56	98678	18.630	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	97869	20.142	ug/l #	93
36) 1,1-Dichloropropene	8.114	75	81643	19.618	ug/l	99
37) Ethyl Acetate	7.291	43	41454	23.059	ug/l #	89
38) Carbon Tetrachloride	8.091	117	84722	20.652	ug/l	92
39) Methylcyclohexane	9.356	83	92390	18.457	ug/l	95
40) Benzene	8.350	78	225603	19.957	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	25512	31.865	ug/l #	76
42) 1,2-Dichloroethane	8.420	62	75754	21.954	ug/l	94
43) Isopropyl Acetate	8.450	43	76604	22.566	ug/l #	89
44) Trichloroethene	9.114	130	58823	19.516	ug/l	100
45) 1,2-Dichloropropane	9.379	63	62159	20.909	ug/l	96
46) Dibromomethane	9.467	93	34076	22.093	ug/l	95
47) Bromodichloromethane	9.656	83	87708	21.502	ug/l	98
48) Methyl methacrylate	9.450	41	39105	22.223	ug/l #	82
49) 1,4-Dioxane	9.456	88	7245	486.611	ug/l #	92
51) 4-Methyl-2-Pentanone	10.226	43	213134	122.900	ug/l	90
52) Toluene	10.397	92	142352	19.847	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	77483	20.661	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	91245	20.483	ug/l #	78
55) 1,1,2-Trichloroethane	10.797	97	45681	22.577	ug/l	98
56) Ethyl methacrylate	10.655	69	52404	21.813	ug/l #	71
57) 1,3-Dichloropropane	10.938	76	81666	22.976	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	180515	131.106	ug/l	98
59) 2-Hexanone	10.979	43	147112	117.566	ug/l	86
60) Dibromochloromethane	11.132	129	54755	21.774	ug/l	97
61) 1,2-Dibromoethane	11.238	107	42493	21.867	ug/l	98
64) Tetrachloroethene	10.873	164	49891	19.073	ug/l	94
65) Chlorobenzene	11.661	112	151365	19.799	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.738	131	55681	19.947	ug/l	99
67) Ethyl Benzene	11.738	91	272287	18.919	ug/l	100
68) m/p-Xylenes	11.850	106	203627	37.476	ug/l	95
69) o-Xylene	12.173	106	96983	18.991	ug/l	99
70) Styrene	12.185	104	162137	18.838	ug/l	98
71) Bromoform	12.349	173	33799	23.372	ug/l #	99
73) Isopropylbenzene	12.473	105	262292	17.273	ug/l	98
74) N-amyl acetate	12.279	43	68593	20.318	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	53189	21.270	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	43377m	21.709	ug/l	
77) Bromobenzene	12.749	156	58768	17.867	ug/l	96
78) n-propylbenzene	12.814	91	331931	17.553	ug/l	99
79) 2-Chlorotoluene	12.897	91	183199	17.261	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	214822	17.156	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	13517	19.769	ug/l #	68
82) 4-Chlorotoluene	12.996	91	193051	17.520	ug/l	99
83) tert-Butylbenzene	13.214	119	184520	17.158	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	214902	17.578	ug/l	98
85) sec-Butylbenzene	13.391	105	284845	17.342	ug/l	99
86) p-Isopropyltoluene	13.508	119	231094	17.202	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	116426	17.782	ug/l	96
88) 1,4-Dichlorobenzene	13.585	146	118319	18.240	ug/l	96
89) n-Butylbenzene	13.832	91	229406	17.493	ug/l	97
90) Hexachloroethane	14.096	117	47124	18.505	ug/l	89
91) 1,2-Dichlorobenzene	13.879	146	105246	18.902	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.491	75	8671	21.292	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	60259	17.350	ug/l	99
94) Hexachlorobutadiene	15.249	225	34878	17.748	ug/l	97
95) Naphthalene	15.379	128	117113	19.128	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	56019	18.990	ug/l	99

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

