

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121121\
 Data File : VD071266.D
 Acq On : 11 Dec 2021 13:21
 Operator : VA/SY
 Sample : VD1211SBSD01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBSD01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/12/2021
 Supervised By : Amit Patel 12/13/2021

Quant Time: Dec 12 17:51:05 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	7.979	168	215253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	372030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	340518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	170094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	141755	56.124	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.240%	
35) Dibromofluoromethane	7.914	113	126617	53.446	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.900%	
50) Toluene-d8	10.338	98	437945	48.577	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.160%	
62) 4-Bromofluorobenzene	12.626	95	164162	52.530	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.060%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	38219	20.821	ug/l	97
3) Chloromethane	2.209	50	57821	23.810	ug/l	98
4) Vinyl Chloride	2.350	62	64630	23.855	ug/l	97
5) Bromomethane	2.756	94	46261	23.686	ug/l	95
6) Chloroethane	2.915	64	47052	25.250	ug/l	# 88
7) Trichlorofluoromethane	3.273	101	74618	20.331	ug/l	99
8) Diethyl Ether	3.709	74	21120	21.226	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	42283	19.527	ug/l	95
10) Methyl Iodide	4.303	142	31704	16.007	ug/l	96
11) Tert butyl alcohol	5.203	59	37377m	224.048	ug/l	
12) 1,1-Dichloroethene	4.062	96	35822	17.926	ug/l	85
13) Acrolein	3.920	56	17952	104.009	ug/l	92
14) Allyl chloride	4.720	41	72016	18.974	ug/l	# 84
15) Acrylonitrile	5.414	53	57218	118.244	ug/l	96
16) Acetone	4.150	43	58824	107.700	ug/l	# 82
17) Carbon Disulfide	4.409	76	108689	18.577	ug/l	98
18) Methyl Acetate	4.714	43	46692	25.056	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	101727	20.772	ug/l	99
20) Methylene Chloride	4.962	84	59656	20.982	ug/l	88
21) trans-1,2-Dichloroethene	5.473	96	42389	18.845	ug/l	91
22) Diisopropyl ether	6.361	45	150693	19.816	ug/l	90
23) Vinyl Acetate	6.309	43	357210	104.624	ug/l	98
24) 1,1-Dichloroethane	6.267	63	86600	19.799	ug/l	98
25) 2-Butanone	7.214	43	77734	117.328	ug/l	92
26) 2,2-Dichloropropane	7.208	77	65019	16.347	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	48018	18.869	ug/l	90
28) Bromochloromethane	7.544	49	45006	23.690	ug/l	93
29) Tetrahydrofuran	7.561	42	46423	115.750	ug/l	94
30) Chloroform	7.708	83	89556	20.401	ug/l	99
31) Cyclohexane	7.985	56	77047	17.933	ug/l	91
32) 1,1,1-Trichloroethane	7.903	97	75291	19.104	ug/l	94
36) 1,1-Dichloropropene	8.114	75	63625	18.298	ug/l	97
37) Ethyl Acetate	7.285	43	32608	21.710	ug/l	# 95
38) Carbon Tetrachloride	8.097	117	67352	19.650	ug/l	97
39) Methylcyclohexane	9.355	83	70950	16.965	ug/l	98
40) Benzene	8.350	78	180482	19.109	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	15217	22.413	ug/l	89
42) 1,2-Dichloroethane	8.420	62	60599	21.020	ug/l	96
43) Isopropyl Acetate	8.450	43	64429	22.681	ug/l #	90
44) Trichloroethene	9.114	130	45813	18.193	ug/l	93
45) 1,2-Dichloropropane	9.391	63	48114	19.371	ug/l	98
46) Dibromomethane	9.467	93	26497	20.562	ug/l	94
47) Bromodichloromethane	9.655	83	68306	20.043	ug/l #	98
48) Methyl methacrylate	9.455	41	28356	19.287	ug/l #	78
49) 1,4-Dioxane	9.461	88	6626	532.663	ug/l	87
51) 4-Methyl-2-Pentanone	10.226	43	168335	117.856	ug/l	90
52) Toluene	10.397	92	113000	18.857	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	60060	19.168	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	70281	18.883	ug/l #	82
55) 1,1,2-Trichloroethane	10.797	97	34613	20.475	ug/l	93
56) Ethyl methacrylate	10.655	69	43669	21.771	ug/l #	72
57) 1,3-Dichloropropane	10.938	76	62016	20.883	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	140539	122.169	ug/l	100
59) 2-Hexanone	10.979	43	114857	112.127	ug/l	87
60) Dibromochloromethane	11.132	129	42896	20.416	ug/l	99
61) 1,2-Dibromoethane	11.244	107	33800	20.818	ug/l	97
64) Tetrachloroethene	10.873	164	39816	18.418	ug/l	93
65) Chlorobenzene	11.661	112	119343	18.889	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	44522	19.300	ug/l	100
67) Ethyl Benzene	11.738	91	214899	18.068	ug/l	100
68) m/p-Xylenes	11.849	106	163227	36.351	ug/l	98
69) o-Xylene	12.173	106	76623	18.156	ug/l	99
70) Styrene	12.185	104	131806	18.531	ug/l	98
71) Bromoform	12.349	173	25457	21.301	ug/l #	99
73) Isopropylbenzene	12.473	105	205281	16.668	ug/l	99
74) N-amyl acetate	12.279	43	55846	20.374	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	44515	21.948	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	34232m	21.123	ug/l	
77) Bromobenzene	12.755	156	46933	17.593	ug/l	99
78) n-propylbenzene	12.814	91	259349	16.909	ug/l	100
79) 2-Chlorotoluene	12.896	91	141493	16.437	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	168988	16.639	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	11485	20.435	ug/l #	79
82) 4-Chlorotoluene	12.996	91	151266	16.926	ug/l	100
83) tert-Butylbenzene	13.214	119	143050	16.401	ug/l	94
84) 1,2,4-Trimethylbenzene	13.261	105	169494	17.094	ug/l	96
85) sec-Butylbenzene	13.390	105	222095	16.672	ug/l	100
86) p-Isopropyltoluene	13.508	119	180601	16.575	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	95028	17.895	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	95378	18.128	ug/l	98
89) n-Butylbenzene	13.832	91	180928	17.010	ug/l	96
90) Hexachloroethane	14.096	117	35738	17.303	ug/l	94
91) 1,2-Dichlorobenzene	13.879	146	85638	18.963	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	6927	20.972	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	49259	17.487	ug/l	95
94) Hexachlorobutadiene	15.249	225	26266	16.480	ug/l	99
95) Naphthalene	15.384	128	91513	18.429	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	42406	17.724	ug/l	96

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

