

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120621\
 Data File : VD071164.D
 Acq On : 06 Dec 2021 11:27
 Operator : VA/SY
 Sample : VD1206SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/08/2021
 Supervised By :Amit Patel 12/08/2021

Quant Time: Dec 07 06:50:16 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

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	238770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	408804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	377955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	183351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	147955	52.809	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.620%			
35) Dibromofluoromethane	7.908	113	136324	52.367	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.740%			
50) Toluene-d8	10.338	98	466897	47.130	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.260%			
62) 4-Bromofluorobenzene	12.626	95	168904	49.186	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	40262	19.773	ug/l	99
3) Chloromethane	2.209	50	60064	22.297	ug/l	96
4) Vinyl Chloride	2.350	62	66837	22.239	ug/l	96
5) Bromomethane	2.756	94	48751	22.503	ug/l	98
6) Chloroethane	2.920	64	48439	23.434	ug/l	92
7) Trichlorofluoromethane	3.279	101	81588	20.040	ug/l	98
8) Diethyl Ether	3.715	74	21985	19.919	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.103	101	45691	19.023	ug/l	95
10) Methyl Iodide	4.297	142	36847	16.553	ug/l	96
11) Tert butyl alcohol	5.214	59	26893	106.986	ug/l #	83
12) 1,1-Dichloroethene	4.067	96	38798	17.503	ug/l #	81
13) Acrolein	3.926	56	18665	97.489	ug/l	100
14) Allyl chloride	4.714	41	80056	19.014	ug/l #	81
15) Acrylonitrile	5.420	53	59618	111.069	ug/l	97
16) Acetone	4.150	43	58687	99.964	ug/l #	82
17) Carbon Disulfide	4.409	76	122962	18.947	ug/l	96
18) Methyl Acetate	4.714	43	46579	22.533	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	108304	19.937	ug/l	99
20) Methylene Chloride	4.967	84	57281	17.550	ug/l	95
21) trans-1,2-Dichloroethene	5.479	96	46899	18.796	ug/l	92
22) Diisopropyl ether	6.361	45	165024	19.563	ug/l	90
23) Vinyl Acetate	6.303	43	379678	101.389	ug/l	100
24) 1,1-Dichloroethane	6.273	63	96532	19.896	ug/l	98
25) 2-Butanone	7.208	43	79391	110.275	ug/l	90
26) 2,2-Dichloropropane	7.197	77	77097	17.475	ug/l	97
27) cis-1,2-Dichloroethene	7.214	96	52587	18.629	ug/l	89
28) Bromochloromethane	7.550	49	47738	22.653	ug/l	92
29) Tetrahydrofuran	7.567	42	51278	115.262	ug/l	93
30) Chloroform	7.708	83	96834	19.887	ug/l	94
31) Cyclohexane	7.985	56	84792	17.792	ug/l	92
32) 1,1,1-Trichloroethane	7.903	97	83161	19.022	ug/l #	95
36) 1,1-Dichloropropene	8.108	75	67465	17.657	ug/l	98
37) Ethyl Acetate	7.285	43	35618	21.581	ug/l	94
38) Carbon Tetrachloride	8.097	117	71067	18.869	ug/l	98
39) Methylcyclohexane	9.355	83	81627	17.762	ug/l	96
40) Benzene	8.350	78	192550	18.553	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	19105	25.954	ug/l #	76
42) 1,2-Dichloroethane	8.420	62	64501	20.360	ug/l	95
43) Isopropyl Acetate	8.444	43	67039	21.754	ug/l	90
44) Trichloroethene	9.108	130	51547	18.628	ug/l	88
45) 1,2-Dichloropropane	9.385	63	52020	19.060	ug/l	96
46) Dibromomethane	9.473	93	28424	20.073	ug/l	94
47) Bromodichloromethane	9.655	83	74289	19.838	ug/l #	95
48) Methyl methacrylate	9.455	41	30022	18.583	ug/l #	84
49) 1,4-Dioxane	9.455	88	6949	508.377	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	174480	112.908	ug/l	91
52) Toluene	10.397	92	123499	18.755	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	63254	18.372	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	77007	18.829	ug/l #	74
55) 1,1,2-Trichloroethane	10.797	97	38021	20.468	ug/l	94
56) Ethyl methacrylate	10.655	69	47458	21.598	ug/l #	77
57) 1,3-Dichloropropane	10.944	76	68212	20.903	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	152439	120.594	ug/l	100
59) 2-Hexanone	10.979	43	120135	108.394	ug/l	88
60) Dibromochloromethane	11.132	129	47698	20.660	ug/l	98
61) 1,2-Dibromoethane	11.244	107	36465	20.439	ug/l	99
64) Tetrachloroethene	10.873	164	43030	17.933	ug/l	92
65) Chlorobenzene	11.661	112	133590	19.050	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	48292	18.860	ug/l	99
67) Ethyl Benzene	11.738	91	233074	17.655	ug/l	95
68) m/p-Xylenes	11.844	106	179235	35.962	ug/l	97
69) o-Xylene	12.173	106	82951	17.708	ug/l	97
70) Styrene	12.185	104	140230	17.762	ug/l	96
71) Bromoform	12.349	173	28036	21.135	ug/l #	95
73) Isopropylbenzene	12.473	105	216302	16.293	ug/l	100
74) N-amyl acetate	12.279	43	59819	20.282	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	44106	20.174	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	30455m	17.434	ug/l	
77) Bromobenzene	12.749	156	52714	18.332	ug/l	96
78) n-propylbenzene	12.814	91	279812	16.924	ug/l	99
79) 2-Chlorotoluene	12.902	91	152714	16.457	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	186081	16.997	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	11308	19.165	ug/l #	68
82) 4-Chlorotoluene	12.996	91	164512	17.077	ug/l	100
83) tert-Butylbenzene	13.214	119	155370	16.525	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	182550	17.079	ug/l	99
85) sec-Butylbenzene	13.390	105	240349	16.737	ug/l	99
86) p-Isopropyltoluene	13.508	119	195288	16.627	ug/l	96
87) 1,3-Dichlorobenzene	13.508	146	103166	18.022	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	102700	18.109	ug/l	98
89) n-Butylbenzene	13.832	91	191121	16.669	ug/l	97
90) Hexachloroethane	14.102	117	37970	17.054	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	89775	18.442	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	7495	21.051	ug/l	99
93) 1,2,4-Trichlorobenzene	15.143	180	52474	17.281	ug/l	98
94) Hexachlorobutadiene	15.255	225	29837	17.367	ug/l	98
95) Naphthalene	15.384	128	100599	18.794	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	46842	18.163	ug/l	99

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

