

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072804.D
 Acq On : 05 May 2022 12:24
 Operator : VA/SY
 Sample : VD0505SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0505SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/06/2022
 Supervised By :Semsettin Yesilyurt 05/06/2022

Quant Time: May 06 03:47:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	307621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	530062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	512828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	248523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	204362	51.178	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.360%			
35) Dibromofluoromethane	7.908	113	198837	53.412	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.820%			
50) Toluene-d8	10.332	98	723368	54.170	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.340%			
62) 4-Bromofluorobenzene	12.620	95	269144	54.054	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.100%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	87964	20.693	ug/l	96
3) Chloromethane	2.208	50	87943	19.893	ug/l	92
4) Vinyl Chloride	2.344	62	79501	20.041	ug/l	95
5) Bromomethane	2.750	94	53485	21.025	ug/l	95
6) Chloroethane	2.914	64	48765	19.724	ug/l	98
7) Trichlorofluoromethane	3.267	101	143418	20.647	ug/l	100
8) Diethyl Ether	3.708	74	38361	19.263	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	86457	20.965	ug/l	97
10) Methyl Iodide	4.302	142	75363	18.209	ug/l	99
11) Tert butyl alcohol	5.214	59	25189m	72.908	ug/l	
12) 1,1-Dichloroethene	4.067	96	74441	20.069	ug/l	93
13) Acrolein	3.920	56	26589	100.793	ug/l	96
14) Allyl chloride	4.708	41	118428	19.775	ug/l	94
15) Acrylonitrile	5.420	53	88337	93.338	ug/l	96
16) Acetone	4.155	43	69934	84.330	ug/l	90
17) Carbon Disulfide	4.402	76	225992	19.376	ug/l	100
18) Methyl Acetate	4.720	43	43208	19.736	ug/l #	91
19) Methyl tert-butyl Ether	5.479	73	170900	19.219	ug/l	94
20) Methylene Chloride	4.961	84	128864	23.666	ug/l	90
21) trans-1,2-Dichloroethene	5.467	96	85709	20.147	ug/l	95
22) Diisopropyl ether	6.355	45	266818	20.254	ug/l	93
23) Vinyl Acetate	6.302	43	684181	94.014	ug/l #	94
24) 1,1-Dichloroethane	6.261	63	162905	20.582	ug/l	98
25) 2-Butanone	7.208	43	105684	90.834	ug/l	96
26) 2,2-Dichloropropane	7.202	77	137136	20.495	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	97437	19.998	ug/l	92
28) Bromochloromethane	7.543	49	56665	19.198	ug/l	86
29) Tetrahydrofuran	7.567	42	67277	90.718	ug/l	94
30) Chloroform	7.702	83	171132	20.434	ug/l	93
31) Cyclohexane	7.979	56	140843	20.177	ug/l	90
32) 1,1,1-Trichloroethane	7.896	97	148839	20.853	ug/l	96
36) 1,1-Dichloropropene	8.108	75	122044	20.162	ug/l	95
37) Ethyl Acetate	7.291	43	48495	17.428	ug/l #	93
38) Carbon Tetrachloride	8.090	117	129330	20.582	ug/l	94
39) Methylcyclohexane	9.349	83	140429	20.001	ug/l	96
40) Benzene	8.343	78	354837	20.299	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	31930m	19.271	ug/l	
42) 1,2-Dichloroethane	8.420	62	103125	19.577	ug/l	97
43) Isopropyl Acetate	8.449	43	92786	18.066	ug/l #	93
44) Trichloroethene	9.108	130	95621	20.446	ug/l	99
45) 1,2-Dichloropropane	9.379	63	90611	19.738	ug/l	98
46) Dibromomethane	9.473	93	48791	19.267	ug/l	98
47) Bromodichloromethane	9.655	83	132048	20.270	ug/l	93
48) Methyl methacrylate	9.449	41	44857	17.853	ug/l #	85
49) 1,4-Dioxane	9.449	88	9707	340.401	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	246042	92.190	ug/l	96
52) Toluene	10.396	92	230910	21.176	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	118214	19.756	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	138977	19.991	ug/l #	89
55) 1,1,2-Trichloroethane	10.790	97	68781	20.092	ug/l	96
56) Ethyl methacrylate	10.655	69	74875	18.576	ug/l	90
57) 1,3-Dichloropropane	10.937	76	118397	20.154	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	175741	89.928	ug/l	97
59) 2-Hexanone	10.979	43	163996	91.320	ug/l	96
60) Dibromochloromethane	11.132	129	85295	19.792	ug/l	95
61) 1,2-Dibromoethane	11.237	107	63559	19.075	ug/l	98
64) Tetrachloroethene	10.867	164	76644	20.442	ug/l	95
65) Chlorobenzene	11.661	112	239699	20.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	92360	20.719	ug/l	98
67) Ethyl Benzene	11.737	91	422259	20.570	ug/l	98
68) m/p-Xylenes	11.843	106	335076	42.376	ug/l	99
69) o-Xylene	12.173	106	147623	19.990	ug/l	99
70) Styrene	12.184	104	269280	21.046	ug/l	97
71) Bromoform	12.349	173	47560	19.686	ug/l #	98
73) Isopropylbenzene	12.467	105	408830	21.144	ug/l	100
74) N-amyl acetate	12.278	43	92508	19.212	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	75380	19.313	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	64754m	23.367	ug/l	
77) Bromobenzene	12.749	156	95786	20.861	ug/l	94
78) n-propylbenzene	12.808	91	519893	21.334	ug/l	100
79) 2-Chlorotoluene	12.896	91	294376	20.679	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	340830	20.788	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	22206	18.427	ug/l	96
82) 4-Chlorotoluene	12.990	91	317894	21.373	ug/l	99
83) tert-Butylbenzene	13.208	119	293562	21.061	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	345325	21.071	ug/l	99
85) sec-Butylbenzene	13.390	105	449983	21.404	ug/l	98
86) p-Isopropyltoluene	13.502	119	365751	21.219	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	197962	21.402	ug/l	99
88) 1,4-Dichlorobenzene	13.578	146	191247	20.762	ug/l	99
89) n-Butylbenzene	13.825	91	351442	21.048	ug/l	99
90) Hexachloroethane	14.096	117	75635	21.420	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	168369	20.886	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	11961	19.332	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	95791	20.065	ug/l	97
94) Hexachlorobutadiene	15.249	225	52653	20.195	ug/l	96
95) Naphthalene	15.384	128	160749	18.314	ug/l	99
96) 1,2,3-Trichlorobenzene	15.572	180	84719	20.019	ug/l	99

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

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