

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022322\
 Data File : VD072069.D
 Acq On : 23 Feb 2022 11:30
 Operator : VA/SY
 Sample : VD0223SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0223SBS01

Quant Time: Feb 24 06:45:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
 Supervised By :Mahesh Dadoda 02/24/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	436903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	714521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	662358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	326264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	245599	54.193	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.380%			
35) Dibromofluoromethane	7.909	113	238871	55.178	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.360%			
50) Toluene-d8	10.332	98	930783	57.978	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 115.960%			
62) 4-Bromofluorobenzene	12.626	95	324683	55.058	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	75775	18.395	ug/l	99
3) Chloromethane	2.209	50	74458	20.133	ug/l	99
4) Vinyl Chloride	2.350	62	64726	17.405	ug/l	90
5) Bromomethane	2.756	94	41954	16.588	ug/l	100
6) Chloroethane	2.915	64	41834	17.798	ug/l	95
7) Trichlorofluoromethane	3.268	101	137348	19.090	ug/l	99
8) Diethyl Ether	3.709	74	37812	18.436	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	84662	18.834	ug/l	99
10) Methyl Iodide	4.297	142	49315	12.287	ug/l	98
11) Tert butyl alcohol	5.215	59	25216	97.517	ug/l #	90
12) 1,1-Dichloroethene	4.062	96	67271	16.849	ug/l	91
13) Acrolein	3.909	56	41283	80.963	ug/l	98
14) Allyl chloride	4.709	41	121666	17.388	ug/l	97
15) Acrylonitrile	5.415	53	98632	88.977	ug/l	99
16) Acetone	4.150	43	84942	86.725	ug/l	91
17) Carbon Disulfide	4.409	76	157369	14.634	ug/l	99
18) Methyl Acetate	4.715	43	50456	19.579	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	190725	19.636	ug/l	96
20) Methylene Chloride	4.962	84	92680	19.013	ug/l	96
21) trans-1,2-Dichloroethene	5.468	96	79462	17.713	ug/l	98
22) Diisopropyl ether	6.362	45	281724	19.281	ug/l	95
23) Vinyl Acetate	6.303	43	717289	91.928	ug/l	98
24) 1,1-Dichloroethane	6.262	63	164500	18.925	ug/l	97
25) 2-Butanone	7.203	43	119820	88.513	ug/l	96
26) 2,2-Dichloropropane	7.203	77	131522	18.908	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	97920	19.051	ug/l	97
28) Bromochloromethane	7.544	49	68757	18.555	ug/l	99
29) Tetrahydrofuran	7.561	42	75830	87.772	ug/l	99
30) Chloroform	7.703	83	177978	19.942	ug/l	99
31) Cyclohexane	7.979	56	128845	16.096	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	148419	19.325	ug/l	99
36) 1,1-Dichloropropene	8.109	75	118312	18.042	ug/l	99
37) Ethyl Acetate	7.285	43	52707	17.333	ug/l #	96
38) Carbon Tetrachloride	8.091	117	128819	19.166	ug/l	94
39) Methylcyclohexane	9.350	83	125632	16.369	ug/l	96
40) Benzene	8.344	78	342912	18.532	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	29733	15.768	ug/l	90
42) 1,2-Dichloroethane	8.420	62	106768	19.235	ug/l	99
43) Isopropyl Acetate	8.450	43	103427	18.265	ug/l	100
44) Trichloroethene	9.108	130	96029	19.041	ug/l	90
45) 1,2-Dichloropropane	9.379	63	94676	19.181	ug/l	97
46) Dibromomethane	9.467	93	47683	18.306	ug/l	99
47) Bromodichloromethane	9.656	83	135334	20.141	ug/l	98
48) Methyl methacrylate	9.450	41	48212	16.855	ug/l #	85
49) 1,4-Dioxane	9.456	88	11226	363.297	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	281987	93.964	ug/l	99
52) Toluene	10.397	92	224887	18.991	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	121256	19.732	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	141206	19.415	ug/l	99
55) 1,1,2-Trichloroethane	10.791	97	73753	20.120	ug/l	97
56) Ethyl methacrylate	10.655	69	83184	19.003	ug/l	98
57) 1,3-Dichloropropane	10.938	76	120401	19.004	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	199355	101.798	ug/l	99
59) 2-Hexanone	10.979	43	189331	92.494	ug/l	97
60) Dibromochloromethane	11.132	129	92004	20.099	ug/l	96
61) 1,2-Dibromoethane	11.238	107	62410	17.817	ug/l	98
64) Tetrachloroethene	10.867	164	83888	20.061	ug/l	95
65) Chlorobenzene	11.661	112	249419	19.430	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	97051	20.370	ug/l	98
67) Ethyl Benzene	11.738	91	428304	18.975	ug/l	99
68) m/p-Xylenes	11.844	106	337485	39.056	ug/l	99
69) o-Xylene	12.173	106	155874	19.176	ug/l	96
70) Styrene	12.191	104	281820	20.203	ug/l	99
71) Bromoform	12.349	173	55713	20.389	ug/l #	94
73) Isopropylbenzene	12.473	105	434922	19.415	ug/l	100
74) N-amyl acetate	12.279	43	101969	18.851	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	82905	18.719	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	54823m	17.739	ug/l	
77) Bromobenzene	12.749	156	104088	19.842	ug/l	100
78) n-propylbenzene	12.808	91	537850	19.534	ug/l	99
79) 2-Chlorotoluene	12.897	91	309139	19.398	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	377481	20.180	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	25326	20.522	ug/l	98
82) 4-Chlorotoluene	12.997	91	329411	19.861	ug/l	100
83) tert-Butylbenzene	13.214	119	316908	19.719	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	375296	20.409	ug/l	100
85) sec-Butylbenzene	13.391	105	485937	19.849	ug/l	99
86) p-Isopropyltoluene	13.502	119	401819	19.955	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	213539	20.137	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	214634	20.143	ug/l	98
89) n-Butylbenzene	13.832	91	379225	19.805	ug/l	99
90) Hexachloroethane	14.096	117	77174	19.093	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	188256	20.244	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	13163	19.078	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	115813	20.275	ug/l	98
94) Hexachlorobutadiene	15.249	225	63759	20.299	ug/l	100
95) Naphthalene	15.385	128	194152	18.723	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	100900	20.479	ug/l	100

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

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