

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101923\
 Data File : VD077351.D
 Acq On : 19 Oct 2023 13:07
 Operator : JC/SY
 Sample : VD1019SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 20 02:05:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	180760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	317959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	303116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	151503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	86003	53.283	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	106.560%		
35) Dibromofluoromethane	7.804	113	98771	44.217	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.440%		
50) Toluene-d8	10.269	98	371928	46.491	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.980%		
62) 4-Bromofluorobenzene	12.575	95	106819	46.386	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	37071	22.060	ug/l	97
3) Chloromethane	2.152	50	80752	23.597	ug/l	95
4) Vinyl Chloride	2.287	62	95445	23.611	ug/l	100
5) Bromomethane	2.693	94	67929	26.150	ug/l	98
6) Chloroethane	2.840	64	66154	23.279	ug/l	100
7) Trichlorofluoromethane	3.175	101	66284	16.164	ug/l	97
8) Diethyl Ether	3.599	74	19049	17.332	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.969	101	41299	19.466	ug/l	99
10) Methyl Iodide	4.163	142	38816	14.953	ug/l	91
11) Tert butyl alcohol	5.051	59	10820	119.166	ug/l #	89
12) 1,1-Dichloroethene	3.946	96	37806	18.165	ug/l	90
13) Acrolein	3.793	56	15603	98.994	ug/l	99
14) Allyl chloride	4.569	41	42323	21.432	ug/l	97
15) Acrylonitrile	5.251	53	43105	129.418	ug/l	98
16) Acetone	4.016	43	39292	111.011	ug/l	89
17) Carbon Disulfide	4.269	76	123440	20.176	ug/l	99
18) Methyl Acetate	4.551	43	28464	23.107	ug/l	93
19) Methyl tert-butyl Ether	5.316	73	79805	22.512	ug/l	100
20) Methylene Chloride	4.804	84	61336	26.378	ug/l	98
21) trans-1,2-Dichloroethene	5.310	96	45687	21.106	ug/l	98
22) Diisopropyl ether	6.216	45	98226	25.339	ug/l	92
23) Vinyl Acetate	6.151	43	232702	128.095	ug/l	98
24) 1,1-Dichloroethane	6.116	63	75350	23.379	ug/l	94
25) 2-Butanone	7.087	43	45781	124.689	ug/l	92
26) 2,2-Dichloropropane	7.075	77	65172	22.177	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	50505	20.808	ug/l	99
28) Bromochloromethane	7.428	49	30227	25.674	ug/l	91
29) Tetrahydrofuran	7.445	42	28444	134.298	ug/l	95
30) Chloroform	7.592	83	82066	22.192	ug/l	99
31) Cyclohexane	7.881	56	56503	22.500	ug/l	96
32) 1,1,1-Trichloroethane	7.798	97	68684	21.529	ug/l	97
36) 1,1-Dichloropropene	8.010	75	59110	20.139	ug/l	96
37) Ethyl Acetate	7.169	43	21918	23.772	ug/l	94
38) Carbon Tetrachloride	7.992	117	61415	18.809	ug/l	95
39) Methylcyclohexane	9.275	83	65979	18.500	ug/l	92
40) Benzene	8.251	78	180618	20.277	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	10184	23.145	ug/l #	85
42) 1,2-Dichloroethane	8.328	62	45070	21.482	ug/l	99
43) Isopropyl Acetate	8.363	43	38693	23.312	ug/l	98
44) Trichloroethene	9.028	130	47716	18.323	ug/l	94
45) 1,2-Dichloropropane	9.304	63	43770	21.317	ug/l	95
46) Dibromomethane	9.392	93	27154	21.153	ug/l	92
47) Bromodichloromethane	9.581	83	63461	20.733	ug/l	98
48) Methyl methacrylate	9.381	41	16991	22.628	ug/l	93
49) 1,4-Dioxane	9.381	88	4820	405.024	ug/l #	85
51) 4-Methyl-2-Pentanone	10.157	43	100343	120.599	ug/l	94
52) Toluene	10.333	92	115362	19.836	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	57093	20.780	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	67474	20.072	ug/l #	92
55) 1,1,2-Trichloroethane	10.733	97	37198	20.922	ug/l	94
56) Ethyl methacrylate	10.598	69	35237	20.738	ug/l	98
57) 1,3-Dichloropropane	10.881	76	58432	21.395	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.875	63	94817	112.841	ug/l	99
59) 2-Hexanone	10.922	43	73423	122.867	ug/l	92
60) Dibromochloromethane	11.075	129	42243	18.607	ug/l	95
61) 1,2-Dibromoethane	11.181	107	33959	20.270	ug/l	97
64) Tetrachloroethene	10.810	164	38843	17.241	ug/l	98
65) Chlorobenzene	11.604	112	125210	18.951	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.680	131	45411	18.081	ug/l	95
67) Ethyl Benzene	11.686	91	199418	18.208	ug/l	96
68) m/p-Xylenes	11.792	106	165274	36.748	ug/l	93
69) o-Xylene	12.122	106	75361	18.202	ug/l	97
70) Styrene	12.133	104	128768	18.229	ug/l	99
71) Bromoform	12.298	173	25791	18.733	ug/l #	99
73) Isopropylbenzene	12.422	105	189957	18.956	ug/l	98
74) N-amyl acetate	12.233	43	32948	22.855	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	41999	23.064	ug/l	98
76) 1,2,3-Trichloropropane	12.727	75	32349m	17.605	ug/l	
77) Bromobenzene	12.704	156	47504	18.056	ug/l	90
78) n-propylbenzene	12.763	91	243188	20.150	ug/l	96
79) 2-Chlorotoluene	12.851	91	131315	19.976	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	162042	19.595	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	13726	24.276	ug/l	96
82) 4-Chlorotoluene	12.951	91	139253	20.347	ug/l	98
83) tert-Butylbenzene	13.169	119	131541	17.941	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	157925	18.968	ug/l	100
85) sec-Butylbenzene	13.345	105	211289	19.151	ug/l	96
86) p-Isopropyltoluene	13.463	119	173532	18.105	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	101181	18.275	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	100615	18.338	ug/l	95
89) n-Butylbenzene	13.786	91	163420	19.581	ug/l	96
90) Hexachloroethane	14.057	117	37768	19.494	ug/l	92
91) 1,2-Dichlorobenzene	13.833	146	86732	18.544	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6027	27.041	ug/l	88
93) 1,2,4-Trichlorobenzene	15.104	180	58093	19.935	ug/l	100
94) Hexachlorobutadiene	15.204	225	33729	20.380	ug/l	96
95) Naphthalene	15.333	128	110178	22.393	ug/l	100
96) 1,2,3-Trichlorobenzene	15.527	180	62192	24.588	ug/l	99

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

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