

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012324\
 Data File : VD078204.D
 Acq On : 23 Jan 2024 11:52
 Operator : RP/MD
 Sample : VD0123SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0123SBS01

Quant Time: Jan 24 00:18:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 05:43:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/24/2024
 Supervised By :Semsettin Yesilyurt 01/24/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	130900	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	236327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	214694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	100597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	75225	50.340	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.680%			
35) Dibromofluoromethane	7.810	113	78298	50.341	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.680%			
50) Toluene-d8	10.269	98	312028	50.665	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.340%			
62) 4-Bromofluorobenzene	12.575	95	89825	50.294	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.580%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	34608	24.456	ug/l	99
3) Chloromethane	2.152	50	50098	20.977	ug/l	98
4) Vinyl Chloride	2.293	62	62516	20.140	ug/l	94
5) Bromomethane	2.699	94	44909	19.825	ug/l	99
6) Chloroethane	2.846	64	43791	20.197	ug/l	92
7) Trichlorofluoromethane	3.181	101	58193	20.611	ug/l	100
8) Diethyl Ether	3.599	74	16195	20.692	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.975	101	35398	21.646	ug/l	93
10) Methyl Iodide	4.175	142	31808	19.404	ug/l	# 88
11) Tert butyl alcohol	5.046	59	7230m	98.277	ug/l	
12) 1,1-Dichloroethene	3.952	96	34138	21.074	ug/l	# 78
13) Acrolein	3.799	56	14264	84.460	ug/l	99
14) Allyl chloride	4.569	41	43623	20.415	ug/l	# 89
15) Acrylonitrile	5.258	53	34010	96.835	ug/l	98
16) Acetone	4.028	43	52373	130.420	ug/l	87
17) Carbon Disulfide	4.281	76	111828	21.289	ug/l	99
18) Methyl Acetate	4.575	43	25109	19.530	ug/l	91
19) Methyl tert-butyl Ether	5.322	73	66482	19.681	ug/l	94
20) Methylene Chloride	4.811	84	41400	20.214	ug/l	90
21) trans-1,2-Dichloroethene	5.322	96	37905	20.249	ug/l	90
22) Diisopropyl ether	6.222	45	93491	20.677	ug/l	# 91
23) Vinyl Acetate	6.158	43	222189m	99.741	ug/l	
24) 1,1-Dichloroethane	6.116	63	64492	20.642	ug/l	98
25) 2-Butanone	7.081	43	57103	115.756	ug/l	# 86
26) 2,2-Dichloropropane	7.081	77	53704	20.519	ug/l	98
27) cis-1,2-Dichloroethene	7.093	96	41285	20.532	ug/l	90
28) Bromochloromethane	7.434	49	25831	21.198	ug/l	# 72
29) Tetrahydrofuran	7.457	42	24506	99.403	ug/l	# 85
30) Chloroform	7.599	83	65627	20.654	ug/l	93
31) Cyclohexane	7.881	56	57669	20.872	ug/l	90
32) 1,1,1-Trichloroethane	7.799	97	56541	20.600	ug/l	99
36) 1,1-Dichloropropene	8.010	75	51441	20.112	ug/l	96
37) Ethyl Acetate	7.175	43	18985	19.939	ug/l	# 93
38) Carbon Tetrachloride	7.999	117	50689	20.066	ug/l	94
39) Methylcyclohexane	9.281	83	61250	20.249	ug/l	96
40) Benzene	8.252	78	150365	20.716	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	11850	22.665	ug/l #	77
42) 1,2-Dichloroethane	8.328	62	38796	20.543	ug/l	93
43) Isopropyl Acetate	8.363	43	31888	18.280	ug/l #	92
44) Trichloroethene	9.028	130	37353	20.116	ug/l	99
45) 1,2-Dichloropropane	9.304	63	35377	19.642	ug/l	95
46) Dibromomethane	9.399	93	19978	20.198	ug/l #	85
47) Bromodichloromethane	9.587	83	48300	19.440	ug/l #	91
48) Methyl methacrylate	9.381	41	19525	19.333	ug/l #	77
49) 1,4-Dioxane	9.393	88	3356	350.658	ug/l #	77
51) 4-Methyl-2-Pentanone	10.163	43	87907	95.897	ug/l	89
52) Toluene	10.340	92	93957	20.422	ug/l	94
53) t-1,3-Dichloropropene	10.551	75	45558	19.875	ug/l	89
54) cis-1,3-Dichloropropene	10.022	75	54222	19.732	ug/l #	84
55) 1,1,2-Trichloroethane	10.734	97	25315	19.127	ug/l	94
56) Ethyl methacrylate	10.598	69	20904	19.294	ug/l #	78
57) 1,3-Dichloropropane	10.881	76	43957	19.421	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.875	63	61681	95.002	ug/l	95
59) 2-Hexanone	10.922	43	81441	109.330	ug/l	89
60) Dibromochloromethane	11.075	129	30631	19.630	ug/l	95
61) 1,2-Dibromoethane	11.181	107	24532	20.108	ug/l	100
64) Tetrachloroethene	10.816	164	27431	19.541	ug/l #	90
65) Chlorobenzene	11.610	112	93630	19.742	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	33765	19.922	ug/l	96
67) Ethyl Benzene	11.687	91	169614	19.652	ug/l	98
68) m/p-Xylenes	11.798	106	131436	39.874	ug/l	89
69) o-Xylene	12.122	106	59442	19.871	ug/l	90
70) Styrene	12.140	104	90721	20.238	ug/l	94
71) Bromoform	12.304	173	15857	18.892	ug/l #	100
73) Isopropylbenzene	12.422	105	159794	20.202	ug/l	96
74) N-amyl acetate	12.234	43	29657	19.598	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.675	83	28303	19.230	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	20305m	21.045	ug/l	
77) Bromobenzene	12.704	156	34171	19.704	ug/l	80
78) n-propylbenzene	12.763	91	201963	20.587	ug/l	92
79) 2-Chlorotoluene	12.851	91	105307	20.115	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	130760	19.937	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.475	75	9904	22.111	ug/l	94
82) 4-Chlorotoluene	12.951	91	110643	20.049	ug/l	95
83) tert-Butylbenzene	13.169	119	109097	19.899	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	132872	20.032	ug/l	95
85) sec-Butylbenzene	13.345	105	167755	20.207	ug/l	94
86) p-Isopropyltoluene	13.463	119	141885	19.640	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	69481	19.351	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	71386	20.124	ug/l	96
89) n-Butylbenzene	13.787	91	141788	20.161	ug/l	97
90) Hexachloroethane	14.057	117	28933	20.417	ug/l	80
91) 1,2-Dichlorobenzene	13.834	146	59367	19.663	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3830	18.210	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	35033	18.771	ug/l	96
94) Hexachlorobutadiene	15.204	225	17556	19.466	ug/l	98
95) Naphthalene	15.334	128	64828	18.579	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	30263	19.327	ug/l	97

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

