

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
 Data File : VY019867.D
 Acq On : 11 Oct 2024 12:42
 Operator : SY/MD
 Sample : P4368-03 4 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Quant Time: Oct 14 01:45:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/14/2024
 Supervised By :Semsettin Yesilyurt 10/14/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	322282	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	574420	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	484569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	216698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	209433	52.777	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.560%			
35) Dibromofluoromethane	7.634	113	195426	51.556	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.120%			
50) Toluene-d8	10.103	98	724072	51.727	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.460%			
62) 4-Bromofluorobenzene	12.402	95	244063	48.254	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.500%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	13157	4.385	ug/l	99
3) Chloromethane	2.068	50	21397	5.480	ug/l	97
4) Vinyl Chloride	2.202	62	22420	5.218	ug/l	100
5) Bromomethane	2.598	94	15213	5.593	ug/l	92
6) Chloroethane	2.733	64	14502	5.024	ug/l	97
7) Trichlorofluoromethane	3.062	101	28587	4.471	ug/l	96
8) Diethyl Ether	3.458	74	9102	4.684	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.818	101	16396	4.409	ug/l	94
10) Methyl Iodide	4.013	142	16589	4.410	ug/l	# 88
11) Tert butyl alcohol	4.836	59	12184m	32.774	ug/l	
12) 1,1-Dichloroethene	3.787	96	15737	4.552	ug/l	84
13) Acrolein	3.653	56	10351	35.499	ug/l	97
14) Allyl chloride	4.385	41	29050	4.657	ug/l	# 90
15) Acrylonitrile	5.061	53	20325	22.867	ug/l	96
16) Acetone	3.873	43	19511	18.888	ug/l	# 86
17) Carbon Disulfide	4.110	76	48523	5.236	ug/l	98
18) Methyl Acetate	4.391	43	12933	5.812	ug/l	90
19) Methyl tert-butyl Ether	5.122	73	42087	4.237	ug/l	95
20) Methylene Chloride	4.622	84	26145	6.143	ug/l	# 79
21) trans-1,2-Dichloroethene	5.122	96	17829	4.738	ug/l	96
22) Diisopropyl ether	6.025	45	62061	4.567	ug/l	# 86
23) Vinyl Acetate	5.964	43	181224m	23.264	ug/l	
24) 1,1-Dichloroethane	5.915	63	34495	4.567	ug/l	96
25) 2-Butanone	6.896	43	28469	20.589	ug/l	# 82
26) 2,2-Dichloropropane	6.890	77	30662	4.558	ug/l	93
27) cis-1,2-Dichloroethene	6.890	96	20834	4.480	ug/l	78
28) Bromochloromethane	7.244	49	17481	5.258	ug/l	# 77
29) Tetrahydrofuran	7.274	42	18942	23.993	ug/l	# 80
30) Chloroform	7.415	83	35107	4.560	ug/l	96
31) Cyclohexane	7.701	56	36061	5.439	ug/l	# 87
32) 1,1,1-Trichloroethane	7.622	97	28976	4.294	ug/l	# 94
36) 1,1-Dichloropropene	7.835	75	24288	4.448	ug/l	100
37) Ethyl Acetate	6.988	43	12209	4.288	ug/l	# 91
38) Carbon Tetrachloride	7.817	117	24204	4.134	ug/l	98
39) Methylcyclohexane	9.109	83	29480	4.284	ug/l	# 85
40) Benzene	8.079	78	75566	4.572	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	5655	3.669	ug/l #	88
42) 1,2-Dichloroethane	8.164	62	22179	4.671	ug/l	92
43) Isopropyl Acetate	8.195	43	24306	4.185	ug/l #	79
44) Trichloroethene	8.866	130	18218	4.551	ug/l	100
45) 1,2-Dichloropropane	9.146	63	19179	4.636	ug/l	95
46) Dibromomethane	9.231	93	10062	4.452	ug/l	87
47) Bromodichloromethane	9.420	83	24559	4.094	ug/l #	96
48) Methyl methacrylate	9.225	41	11256	4.406	ug/l #	80
49) 1,4-Dioxane	9.237	88	2098	82.940	ug/l #	71
51) 4-Methyl-2-Pentanone	9.999	43	61873	20.888	ug/l	89
52) Toluene	10.170	92	48180	4.670	ug/l	95
53) t-1,3-Dichloropropene	10.396	75	20725	3.840	ug/l #	87
54) cis-1,3-Dichloropropene	9.859	75	26297	4.129	ug/l #	86
55) 1,1,2-Trichloroethane	10.573	97	13135	4.411	ug/l #	86
56) Ethyl methacrylate	10.438	69	17283	4.045	ug/l #	71
57) 1,3-Dichloropropane	10.713	76	22118	4.230	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.713	63	45108	22.678	ug/l	90
59) 2-Hexanone	10.762	43	41961	19.834	ug/l	81
60) Dibromochloromethane	10.908	129	15727	4.115	ug/l	92
61) 1,2-Dibromoethane	11.018	107	11751	4.367	ug/l	98
64) Tetrachloroethene	10.646	164	14688	4.262	ug/l	93
65) Chlorobenzene	11.444	112	46706	4.214	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	15016	4.004	ug/l	96
67) Ethyl Benzene	11.518	91	87418	4.342	ug/l	99
68) m/p-Xylenes	11.627	106	63535	8.545	ug/l	91
69) o-Xylene	11.950	106	30456	4.263	ug/l	94
70) Styrene	11.969	104	47505	3.941	ug/l	93
71) Bromoform	12.133	173	7793	3.882	ug/l #	98
73) Isopropylbenzene	12.255	105	79613	4.368	ug/l	98
74) N-amyl acetate	12.072	43	19499	4.039	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.505	83	14999	4.631	ug/l	96
76) 1,2,3-Trichloropropane	12.554	75	9804m	2.309	ug/l	
77) Bromobenzene	12.530	156	17341	4.483	ug/l	86
78) n-propylbenzene	12.597	91	97843	4.443	ug/l	97
79) 2-Chlorotoluene	12.676	91	55708	4.412	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	63237	4.296	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.298	75	4122m	3.919	ug/l	
82) 4-Chlorotoluene	12.773	91	57069	4.420	ug/l	95
83) tert-Butylbenzene	12.993	119	56330	4.272	ug/l	94
84) 1,2,4-Trimethylbenzene	13.042	105	62487	4.282	ug/l	97
85) sec-Butylbenzene	13.176	105	82088	4.166	ug/l	98
86) p-Isopropyltoluene	13.285	119	65277	4.080	ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	33287	4.262	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	33399	4.352	ug/l	91
89) n-Butylbenzene	13.615	91	62972	4.031	ug/l	97
90) Hexachloroethane	13.877	117	12704	4.078	ug/l	87
91) 1,2-Dichlorobenzene	13.657	146	28598	4.167	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2154	4.167	ug/l	69
93) 1,2,4-Trichlorobenzene	14.919	180	15015	3.902	ug/l	97
94) Hexachlorobutadiene	15.023	225	8203	3.834	ug/l	94
95) Naphthalene	15.139	128	25000	3.444	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	11452	3.520	ug/l	92

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

