

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091224\
 Data File : VY019523.D
 Acq On : 12 Sep 2024 12:42
 Operator : SY/MD
 Sample : P3390-03 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

Quant Time: Sep 13 02:24:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 02:24:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/13/2024
 Supervised By :Semsettin Yesilyurt 09/13/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	451813	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	798989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	669444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	302481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	226362	54.106	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.220%			
35) Dibromofluoromethane	7.634	113	228603	50.463	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.920%			
50) Toluene-d8	10.109	98	851286	50.805	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.620%			
62) 4-Bromofluorobenzene	12.408	95	295724	45.900	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 91.800%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	7195	2.519	ug/l	100
3) Chloromethane	2.074	50	7884	2.109	ug/l	92
4) Vinyl Chloride	2.202	62	9091	2.249	ug/l	95
5) Bromomethane	2.598	94	7022	2.828	ug/l	95
6) Chloroethane	2.739	64	7206	2.727	ug/l	98
7) Trichlorofluoromethane	3.056	101	18226	2.705	ug/l	# 81
8) Diethyl Ether	3.452	74	5907	2.612	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.812	101	11728	2.814	ug/l	96
10) Methyl Iodide	3.994	142	11975	2.241	ug/l	91
11) Tert butyl alcohol	4.860	59	5008	14.822	ug/l	# 60
12) 1,1-Dichloroethene	3.787	96	9269	2.312	ug/l	# 75
13) Acrolein	3.659	56	5919	32.671	ug/l	96
14) Allyl chloride	4.385	41	17649	2.455	ug/l	# 93
15) Acrylonitrile	5.061	53	14126	14.485	ug/l	98
16) Acetone	3.873	43	12980	13.023	ug/l	# 86
17) Carbon Disulfide	4.110	76	13120	1.211	ug/l	96
18) Methyl Acetate	4.385	43	10834	4.005	ug/l	90
19) Methyl tert-butyl Ether	5.110	73	33240	2.928	ug/l	98
20) Methylene Chloride	4.604	84	22270	4.899	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	10363	2.359	ug/l	# 76
22) Diisopropyl ether	6.012	45	42975	2.911	ug/l	# 82
23) Vinyl Acetate	5.958	43	133851	15.875	ug/l	94
24) 1,1-Dichloroethane	5.909	63	23404	2.825	ug/l	97
25) 2-Butanone	6.896	43	16602	11.712	ug/l	96
26) 2,2-Dichloropropane	6.878	77	21809	2.919	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	15260	2.859	ug/l	91
28) Bromochloromethane	7.244	49	9261	2.657	ug/l	85
29) Tetrahydrofuran	7.262	42	12073	14.007	ug/l	# 84
30) Chloroform	7.415	83	27412	3.242	ug/l	90
31) Cyclohexane	7.701	56	24773	3.309	ug/l	# 75
32) 1,1,1-Trichloroethane	7.610	97	21390	2.822	ug/l	96
36) 1,1-Dichloropropene	7.835	75	15416	2.501	ug/l	97
37) Ethyl Acetate	6.982	43	7359	2.330	ug/l	# 73
38) Carbon Tetrachloride	7.817	117	17715	2.548	ug/l	91
39) Methylcyclohexane	9.109	83	16972	2.069	ug/l	96
40) Benzene	8.079	78	48979	2.580	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	4276	2.323	ug/l #	82
42) 1,2-Dichloroethane	8.158	62	14816	2.900	ug/l	99
43) Isopropyl Acetate	8.195	43	17887	2.696	ug/l #	90
44) Trichloroethene	8.866	130	12815	2.625	ug/l	99
45) 1,2-Dichloropropane	9.146	63	13110	2.824	ug/l	98
46) Dibromomethane	9.231	93	6898	2.718	ug/l	95
47) Bromodichloromethane	9.426	83	19995	2.930	ug/l	92
48) Methyl methacrylate	9.219	41	7944	2.535	ug/l #	84
49) 1,4-Dioxane	9.225	88	1835	61.410	ug/l #	84
51) 4-Methyl-2-Pentanone	9.999	43	44949	13.465	ug/l	90
52) Toluene	10.170	92	31979	2.619	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	16315	2.508	ug/l	92
54) cis-1,3-Dichloropropene	9.859	75	19352	2.555	ug/l #	84
55) 1,1,2-Trichloroethane	10.573	97	10176	2.903	ug/l	96
56) Ethyl methacrylate	10.438	69	13495	2.534	ug/l #	78
57) 1,3-Dichloropropane	10.719	76	17168	2.849	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	29089	11.770	ug/l	97
59) 2-Hexanone	10.762	43	29779	12.168	ug/l	89
60) Dibromochloromethane	10.914	129	13383	2.886	ug/l	95
61) 1,2-Dibromoethane	11.018	107	9042	2.769	ug/l	96
64) Tetrachloroethene	10.646	164	11602	2.799	ug/l	94
65) Chlorobenzene	11.444	112	37464	2.845	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.518	131	13849	3.038	ug/l	95
67) Ethyl Benzene	11.518	91	65686	2.807	ug/l	98
68) m/p-Xylenes	11.627	106	48145	5.442	ug/l	90
69) o-Xylene	11.956	106	23878	2.760	ug/l	91
70) Styrene	11.969	104	41163	2.818	ug/l	96
71) Bromoform	12.127	173	7240	2.780	ug/l #	99
73) Isopropylbenzene	12.255	105	64641	2.946	ug/l	98
74) N-amyl acetate	12.072	43	16214	2.717	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	11759	3.019	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	8396m	2.961	ug/l	
77) Bromobenzene	12.530	156	13730	2.821	ug/l	84
78) n-propylbenzene	12.597	91	78422	3.015	ug/l	98
79) 2-Chlorotoluene	12.676	91	46308	3.055	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	54175	3.037	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	4329m	2.931	ug/l	
82) 4-Chlorotoluene	12.779	91	47363	3.039	ug/l	98
83) tert-Butylbenzene	12.999	119	49500	3.065	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	52285	2.961	ug/l	98
85) sec-Butylbenzene	13.176	105	70538	3.007	ug/l	100
86) p-Isopropyltoluene	13.292	119	56988	2.969	ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	29342	3.103	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	30254	3.224	ug/l	89
89) n-Butylbenzene	13.615	91	54582	2.974	ug/l	98
90) Hexachloroethane	13.877	117	12848	3.217	ug/l	89
91) 1,2-Dichlorobenzene	13.657	146	26839	3.180	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2088	3.217	ug/l	74
93) 1,2,4-Trichlorobenzene	14.913	180	15277	2.976	ug/l	94
94) Hexachlorobutadiene	15.023	225	8015	2.923	ug/l	96
95) Naphthalene	15.139	128	29435	2.864	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	12517	2.851	ug/l	94

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

