

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091624\
 Data File : VY019560.D
 Acq On : 16 Sep 2024 12:01
 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 17 05:52:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 05:51:44 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/17/2024
 Supervised By :Semsettin Yesilyurt 09/17/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	424577	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	727501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	601920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	272852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	214107	54.460	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.920%			
35) Dibromofluoromethane	7.634	113	213831	51.840	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.680%			
50) Toluene-d8	10.109	98	788192	51.662	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.320%			
62) 4-Bromofluorobenzene	12.408	95	273300	46.588	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 93.180%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	5565	2.073	ug/l	90
3) Chloromethane	2.068	50	5776	1.644	ug/l	95
4) Vinyl Chloride	2.202	62	7139	1.879	ug/l	95
5) Bromomethane	2.598	94	6003	2.573	ug/l	98
6) Chloroethane	2.739	64	5530	2.227	ug/l	# 77
7) Trichlorofluoromethane	3.062	101	14973	2.365	ug/l	93
8) Diethyl Ether	3.452	74	4805	2.261	ug/l	61
9) 1,1,2-Trichlorotrifluo...	3.818	101	9610	2.453	ug/l	92
10) Methyl Iodide	4.001	142	8802	1.753	ug/l	# 89
11) Tert butyl alcohol	4.854	59	4539	14.296	ug/l	# 89
12) 1,1-Dichloroethene	3.799	96	7766	2.062	ug/l	# 86
13) Acrolein	3.647	56	5891	34.602	ug/l	96
14) Allyl chloride	4.379	41	14430	2.136	ug/l	# 92
15) Acrylonitrile	5.067	53	12003	13.097	ug/l	99
16) Acetone	3.873	43	11919	12.726	ug/l	97
18) Methyl Acetate	4.385	43	8221	3.234	ug/l	95
19) Methyl tert-butyl Ether	5.110	73	29141	2.731	ug/l	98
20) Methylene Chloride	4.604	84	16799	3.933	ug/l	# 92
21) trans-1,2-Dichloroethene	5.110	96	8177	1.980	ug/l	95
22) Diisopropyl ether	6.018	45	35689	2.573	ug/l	# 86
23) Vinyl Acetate	5.957	43	117029	14.770	ug/l	94
24) 1,1-Dichloroethane	5.909	63	19842	2.549	ug/l	97
25) 2-Butanone	6.890	43	15539	11.665	ug/l	# 84
26) 2,2-Dichloropropane	6.878	77	18662	2.658	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	12305	2.453	ug/l	87
28) Bromochloromethane	7.238	49	9607	2.933	ug/l	83
29) Tetrahydrofuran	7.262	42	10442	12.892	ug/l	# 84
30) Chloroform	7.415	83	21948	2.762	ug/l	100
31) Cyclohexane	7.707	56	20164	2.866	ug/l	# 62
32) 1,1,1-Trichloroethane	7.616	97	17841	2.505	ug/l	95
36) 1,1-Dichloropropene	7.835	75	11693	2.083	ug/l	97
37) Ethyl Acetate	6.982	43	7494	2.606	ug/l	98
38) Carbon Tetrachloride	7.817	117	15277	2.414	ug/l	96
39) Methylcyclohexane	9.103	83	13193	1.766	ug/l	92
40) Benzene	8.073	78	39528	2.287	ug/l	98
41) Methacrylonitrile	7.219	41	4004	2.389	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.158	62	12112	2.604	ug/l	100
43) Isopropyl Acetate	8.195	43	16107	2.666	ug/l #	78
44) Trichloroethene	8.866	130	10107	2.273	ug/l	97
45) 1,2-Dichloropropane	9.140	63	10751	2.544	ug/l	97
46) Dibromomethane	9.231	93	5710	2.471	ug/l	95
47) Bromodichloromethane	9.426	83	16046	2.583	ug/l	98
48) Methyl methacrylate	9.219	41	6940	2.432	ug/l #	83
49) 1,4-Dioxane	9.231	88	1689	62.079	ug/l #	88
51) 4-Methyl-2-Pentanone	9.999	43	37517	12.343	ug/l	91
52) Toluene	10.170	92	25106	2.258	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	14278	2.411	ug/l #	88
54) cis-1,3-Dichloropropene	9.853	75	16162	2.344	ug/l #	83
55) 1,1,2-Trichloroethane	10.573	97	8786	2.753	ug/l	94
56) Ethyl methacrylate	10.438	69	11619	2.397	ug/l #	79
57) 1,3-Dichloropropane	10.719	76	14046	2.560	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	26116	11.606	ug/l	99
59) 2-Hexanone	10.762	43	26428	11.860	ug/l	90
60) Dibromochloromethane	10.914	129	11057	2.619	ug/l	99
61) 1,2-Dibromoethane	11.018	107	7430	2.499	ug/l	99
64) Tetrachloroethene	10.646	164	8424	2.260	ug/l	99
65) Chlorobenzene	11.444	112	30276	2.557	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.517	131	11801	2.879	ug/l	95
67) Ethyl Benzene	11.517	91	53098	2.524	ug/l	98
68) m/p-Xylenes	11.627	106	39263	4.936	ug/l	92
69) o-Xylene	11.956	106	19994	2.570	ug/l	96
70) Styrene	11.969	104	32988	2.511	ug/l	94
71) Bromoform	12.133	173	6287	2.685	ug/l #	98
73) Isopropylbenzene	12.255	105	52557	2.655	ug/l	99
74) N-amyl acetate	12.072	43	13631	2.532	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	10233	2.913	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	8138m	3.182	ug/l	
77) Bromobenzene	12.529	156	11540	2.629	ug/l	86
78) n-propylbenzene	12.597	91	63143	2.691	ug/l	99
79) 2-Chlorotoluene	12.682	91	38295	2.801	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	43461	2.701	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	3338m	2.506	ug/l	
82) 4-Chlorotoluene	12.779	91	39877	2.837	ug/l	94
83) tert-Butylbenzene	12.999	119	40191	2.759	ug/l	96
84) 1,2,4-Trimethylbenzene	13.048	105	42417	2.663	ug/l	95
85) sec-Butylbenzene	13.176	105	57874	2.735	ug/l	98
86) p-Isopropyltoluene	13.292	119	48018	2.773	ug/l	97
87) 1,3-Dichlorobenzene	13.285	146	24301	2.849	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	24609	2.907	ug/l	89
89) n-Butylbenzene	13.615	91	46054	2.782	ug/l	99
90) Hexachloroethane	13.877	117	10185	2.827	ug/l	85
91) 1,2-Dichlorobenzene	13.657	146	21868	2.873	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1878	3.207	ug/l	72
93) 1,2,4-Trichlorobenzene	14.919	180	12115	2.617	ug/l	96
94) Hexachlorobutadiene	15.017	225	6608	2.672	ug/l	94
95) Naphthalene	15.145	128	24271	2.618	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	10670	2.694	ug/l	96

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

