

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091224\
 Data File : VY019524.D
 Acq On : 12 Sep 2024 13:05
 Operator : SY/MD
 Sample : P3390-03 4 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Sep 13 02:25:36 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	436191	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	750794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	626771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	287262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	244053	60.424	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.840%			
35) Dibromofluoromethane	7.634	113	241134	56.646	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.300%			
50) Toluene-d8	10.109	98	898157	57.043	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.080%			
62) 4-Bromofluorobenzene	12.407	95	315402	52.097	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 104.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	9425	3.418	ug/l	93
3) Chloromethane	2.068	50	10362	2.871	ug/l	92
4) Vinyl Chloride	2.202	62	12473	3.196	ug/l	99
5) Bromomethane	2.598	94	9266	3.866	ug/l	97
6) Chloroethane	2.738	64	9083	3.560	ug/l	99
7) Trichlorofluoromethane	3.062	101	24679	3.794	ug/l	100
8) Diethyl Ether	3.458	74	8382	3.839	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.811	101	15013	3.731	ug/l	97
10) Methyl Iodide	4.007	142	15283	2.962	ug/l	92
11) Tert butyl alcohol	4.860	59	7899	24.216	ug/l	# 79
12) 1,1-Dichloroethene	3.787	96	12534	3.239	ug/l	86
13) Acrolein	3.647	56	9335	53.371	ug/l	# 82
14) Allyl chloride	4.378	41	22422	3.231	ug/l	# 92
15) Acrylonitrile	5.061	53	19816	21.047	ug/l	99
16) Acetone	3.866	43	18021	18.728	ug/l	# 80
17) Carbon Disulfide	4.110	76	16819	1.609	ug/l	97
18) Methyl Acetate	4.391	43	13908	5.326	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	46458	4.239	ug/l	98
20) Methylene Chloride	4.610	84	26866	6.122	ug/l	# 86
21) trans-1,2-Dichloroethene	5.116	96	13723	3.235	ug/l	95
22) Diisopropyl ether	6.018	45	58372	4.096	ug/l	# 92
23) Vinyl Acetate	5.957	43	190532	23.406	ug/l	# 93
24) 1,1-Dichloroethane	5.915	63	31162	3.897	ug/l	97
25) 2-Butanone	6.890	43	25312	18.495	ug/l	# 84
26) 2,2-Dichloropropane	6.878	77	28983	4.018	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	19787	3.840	ug/l	89
28) Bromochloromethane	7.238	49	13741	4.084	ug/l	86
29) Tetrahydrofuran	7.256	42	17729	21.306	ug/l	# 83
30) Chloroform	7.414	83	35369	4.332	ug/l	90
31) Cyclohexane	7.695	56	27899	3.860	ug/l	# 78
32) 1,1,1-Trichloroethane	7.616	97	29929	4.090	ug/l	95
36) 1,1-Dichloropropene	7.835	75	19473	3.362	ug/l	99
37) Ethyl Acetate	6.988	43	12603	4.246	ug/l	# 92
38) Carbon Tetrachloride	7.811	117	23904	3.660	ug/l	94
39) Methylcyclohexane	9.109	83	22546	2.925	ug/l	94
40) Benzene	8.079	78	65109	3.649	ug/l	100

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 Supervised By :Semsettin Yesilyurt 09/13/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	6045	3.494	ug/l	95
42) 1,2-Dichloroethane	8.152	62	20377	4.245	ug/l	98
43) Isopropyl Acetate	8.195	43	25911	4.156	ug/l	91
44) Trichloroethene	8.865	130	15905	3.466	ug/l	85
45) 1,2-Dichloropropane	9.140	63	17313	3.969	ug/l	92
46) Dibromomethane	9.231	93	9928	4.162	ug/l	87
47) Bromodichloromethane	9.420	83	26918	4.198	ug/l	96
48) Methyl methacrylate	9.219	41	10494	3.564	ug/l	85
49) 1,4-Dioxane	9.237	88	2230	79.420	ug/l #	81
51) 4-Methyl-2-Pentanone	9.999	43	64648	20.609	ug/l	90
52) Toluene	10.170	92	42510	3.705	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	23328	3.817	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	27353	3.843	ug/l #	85
55) 1,1,2-Trichloroethane	10.572	97	14621	4.439	ug/l	96
56) Ethyl methacrylate	10.438	69	20817	4.160	ug/l #	85
57) 1,3-Dichloropropane	10.719	76	22897	4.044	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	46747	20.130	ug/l	99
59) 2-Hexanone	10.761	43	45259	19.680	ug/l	87
60) Dibromochloromethane	10.908	129	17720	4.067	ug/l	96
61) 1,2-Dibromoethane	11.011	107	12142	3.956	ug/l	99
64) Tetrachloroethene	10.646	164	14811	3.816	ug/l	96
65) Chlorobenzene	11.438	112	50191	4.071	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	17549	4.111	ug/l	98
67) Ethyl Benzene	11.517	91	87061	3.974	ug/l	98
68) m/p-Xylenes	11.627	106	65501	7.908	ug/l	95
69) o-Xylene	11.956	106	32876	4.058	ug/l	96
70) Styrene	11.969	104	53276	3.895	ug/l	95
71) Bromoform	12.133	173	10233	4.197	ug/l #	99
73) Isopropylbenzene	12.255	105	87179	4.183	ug/l	98
74) N-amyl acetate	12.066	43	22799	4.023	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	17026	4.603	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	12837m	4.768	ug/l	
77) Bromobenzene	12.529	156	20016	4.331	ug/l	92
78) n-propylbenzene	12.596	91	101788	4.121	ug/l	100
79) 2-Chlorotoluene	12.676	91	59978	4.167	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	71153	4.200	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	5224	3.725	ug/l #	85
82) 4-Chlorotoluene	12.779	91	63342	4.280	ug/l	94
83) tert-Butylbenzene	12.993	119	66489	4.335	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	70401	4.198	ug/l	97
85) sec-Butylbenzene	13.176	105	94330	4.234	ug/l	100
86) p-Isopropyltoluene	13.291	119	74523	4.088	ug/l	95
87) 1,3-Dichlorobenzene	13.285	146	38452	4.281	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	38889	4.363	ug/l	92
89) n-Butylbenzene	13.615	91	70752	4.060	ug/l	98
90) Hexachloroethane	13.877	117	15607	4.115	ug/l	90
91) 1,2-Dichlorobenzene	13.657	146	33639	4.197	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.267	75	2547	4.131	ug/l	82
93) 1,2,4-Trichlorobenzene	14.919	180	18800	3.857	ug/l	95
94) Hexachlorobutadiene	15.023	225	10257	3.939	ug/l	98
95) Naphthalene	15.139	128	37063	3.797	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	16245	3.896	ug/l	98

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

