

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091624\
 Data File : VY019561.D
 Acq On : 16 Sep 2024 12:23
 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 17 05:53:03 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	431892	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	735286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	608965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	278575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	218931	54.743	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.480%			
35) Dibromofluoromethane	7.634	113	222519	53.375	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.760%			
50) Toluene-d8	10.109	98	822807	53.360	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.720%			
62) 4-Bromofluorobenzene	12.408	95	286091	48.252	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.500%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	7812	2.861	ug/l	99
3) Chloromethane	2.074	50	8382	2.346	ug/l	94
4) Vinyl Chloride	2.208	62	9540	2.469	ug/l	94
5) Bromomethane	2.598	94	8034	3.385	ug/l	88
6) Chloroethane	2.733	64	7832	3.101	ug/l	99
7) Trichlorofluoromethane	3.062	101	20836	3.235	ug/l	85
8) Diethyl Ether	3.458	74	6353	2.938	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.812	101	13493	3.386	ug/l	97
10) Methyl Iodide	4.013	142	12176	2.384	ug/l	92
11) Tert butyl alcohol	4.854	59	6011	18.612	ug/l	# 76
12) 1,1-Dichloroethene	3.787	96	10459	2.730	ug/l	92
13) Acrolein	3.659	56	7650	44.173	ug/l	99
14) Allyl chloride	4.385	41	19228	2.798	ug/l	# 91
15) Acrylonitrile	5.049	53	15957	17.117	ug/l	97
16) Acetone	3.866	43	15552	16.323	ug/l	# 77
17) Carbon Disulfide	4.104	76	12138	1.172	ug/l	97
18) Methyl Acetate	4.379	43	10905	4.218	ug/l	94
19) Methyl tert-butyl Ether	5.104	73	37425	3.448	ug/l	98
20) Methylene Chloride	4.610	84	18890	4.347	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	11155	2.656	ug/l	86
22) Diisopropyl ether	6.012	45	49368	3.499	ug/l	# 88
23) Vinyl Acetate	5.958	43	155180	19.253	ug/l	# 93
24) 1,1-Dichloroethane	5.915	63	26040	3.289	ug/l	99
25) 2-Butanone	6.890	43	20538	15.157	ug/l	# 80
26) 2,2-Dichloropropane	6.884	77	25239	3.534	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	17128	3.357	ug/l	90
28) Bromochloromethane	7.244	49	12214	3.666	ug/l	88
29) Tetrahydrofuran	7.262	42	13433	16.304	ug/l	# 86
30) Chloroform	7.421	83	29143	3.605	ug/l	94
31) Cyclohexane	7.701	56	25704	3.591	ug/l	# 83
32) 1,1,1-Trichloroethane	7.616	97	24628	3.399	ug/l	96
36) 1,1-Dichloropropene	7.835	75	16677	2.940	ug/l	96
37) Ethyl Acetate	6.982	43	9666	3.326	ug/l	# 69
38) Carbon Tetrachloride	7.817	117	20997	3.282	ug/l	96
39) Methylcyclohexane	9.103	83	19036	2.522	ug/l	92
40) Benzene	8.079	78	52850	3.025	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	4647	2.743	ug/l	97
42) 1,2-Dichloroethane	8.158	62	16453	3.499	ug/l	99
43) Isopropyl Acetate	8.195	43	20287	3.322	ug/l	90
44) Trichloroethene	8.860	130	13905	3.094	ug/l	87
45) 1,2-Dichloropropane	9.140	63	15051	3.524	ug/l	98
46) Dibromomethane	9.231	93	7842	3.357	ug/l	94
47) Bromodichloromethane	9.426	83	22665	3.610	ug/l	96
48) Methyl methacrylate	9.219	41	8564	2.970	ug/l	88
49) 1,4-Dioxane	9.231	88	1848	67.203	ug/l #	91
51) 4-Methyl-2-Pentanone	10.000	43	50332	16.384	ug/l	90
52) Toluene	10.170	92	35582	3.166	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	20075	3.354	ug/l #	87
54) cis-1,3-Dichloropropene	9.859	75	22733	3.262	ug/l #	88
55) 1,1,2-Trichloroethane	10.573	97	11832	3.668	ug/l	96
56) Ethyl methacrylate	10.438	69	14587	2.977	ug/l #	78
57) 1,3-Dichloropropane	10.713	76	19217	3.466	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	37108	16.316	ug/l	99
59) 2-Hexanone	10.762	43	34950	15.518	ug/l	88
60) Dibromochloromethane	10.914	129	14769	3.461	ug/l	98
61) 1,2-Dibromoethane	11.012	107	9535	3.172	ug/l	98
64) Tetrachloroethene	10.652	164	12197	3.234	ug/l	97
65) Chlorobenzene	11.438	112	41904	3.498	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	15128	3.648	ug/l	98
67) Ethyl Benzene	11.518	91	74683	3.509	ug/l	99
68) m/p-Xylenes	11.627	106	55890	6.945	ug/l	95
69) o-Xylene	11.957	106	27108	3.444	ug/l	91
70) Styrene	11.969	104	45650	3.435	ug/l	95
71) Bromoform	12.133	173	8069	3.406	ug/l #	98
73) Isopropylbenzene	12.255	105	75673	3.744	ug/l	97
74) N-amyl acetate	12.072	43	18050	3.284	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.505	83	13343	3.720	ug/l	95
76) 1,2,3-Trichloropropane	12.560	75	7700m	2.949	ug/l	
77) Bromobenzene	12.530	156	15681	3.498	ug/l	87
78) n-propylbenzene	12.597	91	88799	3.707	ug/l	99
79) 2-Chlorotoluene	12.682	91	51904	3.718	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	59526	3.623	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	4081m	3.000	ug/l	
82) 4-Chlorotoluene	12.780	91	53218	3.708	ug/l	94
83) tert-Butylbenzene	12.999	119	57944	3.896	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	60083	3.694	ug/l	97
85) sec-Butylbenzene	13.176	105	81972	3.794	ug/l	99
86) p-Isopropyltoluene	13.292	119	66162	3.743	ug/l	96
87) 1,3-Dichlorobenzene	13.286	146	32471	3.728	ug/l	95
88) 1,4-Dichlorobenzene	13.365	146	33257	3.848	ug/l	89
89) n-Butylbenzene	13.621	91	64363	3.808	ug/l	98
90) Hexachloroethane	13.877	117	14104	3.834	ug/l	92
91) 1,2-Dichlorobenzene	13.657	146	29947	3.853	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2068	3.459	ug/l	80
93) 1,2,4-Trichlorobenzene	14.919	180	17141	3.626	ug/l	93
94) Hexachlorobutadiene	15.023	225	10290	4.075	ug/l	97
95) Naphthalene	15.145	128	28274	2.987	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	13681	3.384	ug/l	97

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

