

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
 Data File : VY019536.D
 Acq On : 13 Sep 2024 12:55
 Operator : SY/MD
 Sample : P3390-03 2.5PPB
 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 23:16:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 23:16:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024
 Supervised By :Mahesh Dadoda 09/16/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	435946	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	771089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	636833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	283469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	230011	56.979	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.960%			
35) Dibromofluoromethane	7.634	113	230427	52.706	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.420%			
50) Toluene-d8	10.109	98	850413	52.590	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.180%			
62) 4-Bromofluorobenzene	12.408	95	289985	46.638	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 93.280%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	6023	2.185	ug/l	96
3) Chloromethane	2.074	50	6933	1.922	ug/l	99
4) Vinyl Chloride	2.208	62	7948	2.038	ug/l	91
5) Bromomethane	2.598	94	7153	2.986	ug/l	99
6) Chloroethane	2.739	64	6105	2.394	ug/l	# 84
7) Trichlorofluoromethane	3.062	101	15635	2.405	ug/l	92
8) Diethyl Ether	3.458	74	4764	2.183	ug/l	59
9) 1,1,2-Trichlorotrifluo...	3.812	101	9887	2.458	ug/l	97
10) Methyl Iodide	4.007	142	9846	1.909	ug/l	96
11) Tert butyl alcohol	4.866	59	5152	15.804	ug/l	# 85
12) 1,1-Dichloroethene	3.787	96	7949	2.055	ug/l	92
13) Acrolein	3.647	56	5113	29.249	ug/l	97
14) Allyl chloride	4.379	41	15276	2.202	ug/l	# 90
15) Acrylonitrile	5.061	53	12287	13.058	ug/l	96
16) Acetone	3.873	43	10224	10.631	ug/l	# 76
17) Carbon Disulfide	4.104	76	10465	1.001	ug/l	98
18) Methyl Acetate	4.385	43	9355	3.585	ug/l	90
19) Methyl tert-butyl Ether	5.110	73	28947	2.642	ug/l	96
20) Methylene Chloride	4.622	84	21438	4.888	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	8859	2.090	ug/l	82
22) Diisopropyl ether	6.018	45	36295	2.548	ug/l	# 86
23) Vinyl Acetate	5.958	43	117507	14.443	ug/l	94
24) 1,1-Dichloroethane	5.915	63	19097	2.389	ug/l	95
25) 2-Butanone	6.896	43	15984	11.686	ug/l	# 80
26) 2,2-Dichloropropane	6.884	77	18989	2.634	ug/l	# 74
27) cis-1,2-Dichloroethene	6.884	96	12965	2.518	ug/l	91
28) Bromochloromethane	7.244	49	9476	2.818	ug/l	85
29) Tetrahydrofuran	7.262	42	10636	12.789	ug/l	# 82
30) Chloroform	7.408	83	23196	2.843	ug/l	97
31) Cyclohexane	7.701	56	20724	2.869	ug/l	# 57
32) 1,1,1-Trichloroethane	7.616	97	18945	2.590	ug/l	95
36) 1,1-Dichloropropene	7.835	75	12702	2.135	ug/l	96
37) Ethyl Acetate	6.970	43	7246	2.377	ug/l	# 73
38) Carbon Tetrachloride	7.817	117	15761	2.349	ug/l	97
39) Methylcyclohexane	9.103	83	12530	1.583	ug/l	89
40) Benzene	8.079	78	40803	2.227	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	4103	2.309	ug/l	92
42) 1,2-Dichloroethane	8.158	62	12501	2.535	ug/l	98
43) Isopropyl Acetate	8.195	43	15776	2.464	ug/l	91
44) Trichloroethene	8.859	130	10524	2.233	ug/l	99
45) 1,2-Dichloropropane	9.140	63	11639	2.598	ug/l	94
46) Dibromomethane	9.225	93	6239	2.547	ug/l	91
47) Bromodichloromethane	9.420	83	16493	2.505	ug/l	99
48) Methyl methacrylate	9.219	41	6659	2.202	ug/l #	83
49) 1,4-Dioxane	9.237	88	1634	56.662	ug/l #	68
51) 4-Methyl-2-Pentanone	9.999	43	39580	12.285	ug/l	89
52) Toluene	10.170	92	26286	2.231	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	15076	2.402	ug/l	92
54) cis-1,3-Dichloropropene	9.859	75	17039	2.331	ug/l #	83
55) 1,1,2-Trichloroethane	10.573	97	8810	2.604	ug/l	90
56) Ethyl methacrylate	10.445	69	11795	2.295	ug/l #	75
57) 1,3-Dichloropropane	10.719	76	14846	2.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	28755	12.056	ug/l	95
59) 2-Hexanone	10.762	43	27104	11.475	ug/l	86
60) Dibromochloromethane	10.914	129	11346	2.535	ug/l	99
61) 1,2-Dibromoethane	11.012	107	7468	2.369	ug/l	99
64) Tetrachloroethene	10.646	164	9077	2.302	ug/l	90
65) Chlorobenzene	11.444	112	31727	2.533	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	11643	2.684	ug/l	99
67) Ethyl Benzene	11.518	91	55003	2.471	ug/l	98
68) m/p-Xylenes	11.633	106	41210	4.896	ug/l	93
69) o-Xylene	11.956	106	20478	2.488	ug/l	95
70) Styrene	11.969	104	32601	2.346	ug/l	94
71) Bromoform	12.133	173	6918	2.793	ug/l #	99
73) Isopropylbenzene	12.255	105	55057	2.677	ug/l	96
74) N-amyl acetate	12.072	43	14608	2.612	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	10102	2.768	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	6180m	2.326	ug/l	
77) Bromobenzene	12.530	156	12105	2.654	ug/l	88
78) n-propylbenzene	12.597	91	64367	2.641	ug/l	98
79) 2-Chlorotoluene	12.682	91	38872	2.736	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	43588	2.607	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.304	75	3295m	2.381	ug/l	
82) 4-Chlorotoluene	12.779	91	41094	2.814	ug/l	94
83) tert-Butylbenzene	12.999	119	41199	2.722	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	42887	2.592	ug/l	100
85) sec-Butylbenzene	13.176	105	58279	2.651	ug/l	99
86) p-Isopropyltoluene	13.292	119	46544	2.587	ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	24300	2.742	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	24498m	2.785	ug/l	
89) n-Butylbenzene	13.615	91	43902	2.553	ug/l	99
90) Hexachloroethane	13.877	117	10610	2.835	ug/l	87
91) 1,2-Dichlorobenzene	13.657	146	21939	2.774	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1669	2.744	ug/l	84
93) 1,2,4-Trichlorobenzene	14.919	180	11908	2.476	ug/l	94
94) Hexachlorobutadiene	15.023	225	6603	2.570	ug/l	94
95) Naphthalene	15.145	128	23612	2.451	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	10201	2.479	ug/l	96

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

