

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081424\
 Data File : VD079732.D
 Acq On : 14 Aug 2024 12:48
 Operator : RP/MD
 Sample : P3390-03 2.5 PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Aug 15 01:50:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081224S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 01:40:05 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/15/2024
 Supervised By :Semsettin Yesilyurt 08/15/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	160892	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	316204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	288339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	127802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	101515	54.843	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.680%			
35) Dibromofluoromethane	7.805	113	97660	50.099	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.200%			
50) Toluene-d8	10.269	98	394723	48.448	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.900%			
62) 4-Bromofluorobenzene	12.569	95	105070	46.059	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 92.120%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	4733	2.997	ug/l	88
3) Chloromethane	2.146	50	10518	3.385	ug/l	92
4) Vinyl Chloride	2.281	62	11388	3.100	ug/l	# 86
5) Bromomethane	2.687	94	8563	3.425	ug/l	98
6) Chloroethane	2.828	64	7995	3.188	ug/l	93
7) Trichlorofluoromethane	3.164	101	9351	2.846	ug/l	95
8) Diethyl Ether	3.593	74	2807	2.732	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.958	101	5688	2.941	ug/l	93
10) Methyl Iodide	4.152	142	4830	2.231	ug/l	# 78
11) Tert butyl alcohol	5.058	59	3201m	28.802	ug/l	
12) 1,1-Dichloroethene	3.934	96	5472	2.706	ug/l	84
13) Acrolein	3.793	56	3119	14.486	ug/l	# 81
14) Allyl chloride	4.558	41	7825	2.580	ug/l	# 86
15) Acrylonitrile	5.252	53	6627	14.013	ug/l	100
16) Acetone	4.022	43	5660	13.681	ug/l	90
17) Carbon Disulfide	4.269	76	19409	2.707	ug/l	# 93
18) Methyl Acetate	4.569	43	3678	2.914	ug/l	# 64
19) Methyl tert-butyl Ether	5.316	73	10648	2.564	ug/l	# 85
20) Methylene Chloride	4.799	84	23459	7.235	ug/l	# 86
21) trans-1,2-Dichloroethene	5.311	96	5913	2.663	ug/l	# 90
22) Diisopropyl ether	6.222	45	15346	2.455	ug/l	# 94
23) Vinyl Acetate	6.158	43	55677m	12.152	ug/l	
24) 1,1-Dichloroethane	6.105	63	11312	2.738	ug/l	# 84
25) 2-Butanone	7.081	43	8630	15.154	ug/l	# 87
26) 2,2-Dichloropropane	7.069	77	9898	3.033	ug/l	91
27) cis-1,2-Dichloroethene	7.081	96	6909	2.683	ug/l	75
28) Bromochloromethane	7.422	49	5432	3.090	ug/l	# 58
29) Tetrahydrofuran	7.446	42	4795	13.851	ug/l	# 65
30) Chloroform	7.599	83	11471	2.859	ug/l	94
31) Cyclohexane	7.875	56	11519	3.405	ug/l	# 77
32) 1,1,1-Trichloroethane	7.793	97	9438	2.843	ug/l	98
36) 1,1-Dichloropropene	8.010	75	7096	2.348	ug/l	93
37) Ethyl Acetate	7.169	43	3462m	2.532	ug/l	
38) Carbon Tetrachloride	7.993	117	7596	2.477	ug/l	# 84
39) Methylcyclohexane	9.269	83	8891	2.489	ug/l	# 82
40) Benzene	8.246	78	26110	2.657	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	1900m	2.638	ug/l	
42) 1,2-Dichloroethane	8.322	62	6059	2.667	ug/l	99
43) Isopropyl Acetate	8.363	43	6203	2.601	ug/l #	85
44) Trichloroethene	9.022	130	5042	2.336	ug/l	66
45) 1,2-Dichloropropane	9.305	63	6000	2.480	ug/l #	76
46) Dibromomethane	9.387	93	3274	2.673	ug/l #	86
47) Bromodichloromethane	9.581	83	7895	2.557	ug/l	99
48) Methyl methacrylate	9.375	41	2682	2.445	ug/l #	69
49) 1,4-Dioxane	9.387	88	649m	52.656	ug/l	
51) 4-Methyl-2-Pentanone	10.157	43	15860	12.926	ug/l	87
52) Toluene	10.334	92	14445	2.451	ug/l	93
53) t-1,3-Dichloropropene	10.557	75	7501	2.599	ug/l #	81
54) cis-1,3-Dichloropropene	10.010	75	8331	2.352	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	4646	2.846	ug/l	93
56) Ethyl methacrylate	10.599	69	4654	2.336	ug/l #	74
57) 1,3-Dichloropropane	10.875	76	7339	2.608	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	12092	13.583	ug/l	94
59) 2-Hexanone	10.916	43	10413	11.863	ug/l	94
60) Dibromochloromethane	11.069	129	5184	2.577	ug/l	97
61) 1,2-Dibromoethane	11.175	107	3766	2.598	ug/l	90
64) Tetrachloroethene	10.804	164	4665	2.648	ug/l #	84
65) Chlorobenzene	11.610	112	16285	2.572	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.675	131	5479	2.654	ug/l	97
67) Ethyl Benzene	11.681	91	25085	2.258	ug/l	98
68) m/p-Xylenes	11.793	106	18133	4.197	ug/l	93
69) o-Xylene	12.110	106	8127	2.058	ug/l	80
70) Styrene	12.134	104	15285	2.207	ug/l	91
71) Bromoform	12.298	173	2502	2.358	ug/l #	90
73) Isopropylbenzene	12.416	105	20908	2.330	ug/l	99
74) N-amyl acetate	12.234	43	5527	2.765	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.669	83	4946	2.952	ug/l	93
76) 1,2,3-Trichloropropane	12.728	75	2305m	2.212	ug/l	
77) Bromobenzene	12.698	156	5737	2.859	ug/l	75
78) n-propylbenzene	12.763	91	27821	2.506	ug/l	98
79) 2-Chlorotoluene	12.845	91	15971	2.583	ug/l	93
80) 1,3,5-Trimethylbenzene	12.898	105	16499	2.217	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.463	75	1634m	2.673	ug/l	
82) 4-Chlorotoluene	12.945	91	15767	2.425	ug/l	94
83) tert-Butylbenzene	13.163	119	15479	2.465	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	16476	2.164	ug/l	100
85) sec-Butylbenzene	13.340	105	22563	2.332	ug/l	96
86) p-Isopropyltoluene	13.457	119	18715	2.302	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	10807	2.530	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	11880	2.817	ug/l	88
89) n-Butylbenzene	13.781	91	17767	2.319	ug/l	94
90) Hexachloroethane	14.057	117	4351	2.609	ug/l	96
91) 1,2-Dichlorobenzene	13.828	146	9839	2.674	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	875	3.826	ug/l	67
93) 1,2,4-Trichlorobenzene	15.092	180	5573	2.633	ug/l	91
94) Hexachlorobutadiene	15.198	225	3003	2.821	ug/l	95
95) Naphthalene	15.328	128	11691	2.888	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.522	180	4720	2.544	ug/l	90

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

