

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081424\
 Data File : VD079733.D
 Acq On : 14 Aug 2024 13:15
 Operator : RP/MD
 Sample : P3390-03 4 PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 15 01:41:12 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	153047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	304744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	274326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	127275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	96286	54.684	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.360%			
35) Dibromofluoromethane	7.804	113	92737	49.362	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.720%			
50) Toluene-d8	10.269	98	380862	48.505	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.000%			
62) 4-Bromofluorobenzene	12.569	95	101041	45.958	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 91.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	8981	5.979	ug/l	93
3) Chloromethane	2.146	50	17701	5.988	ug/l	98
4) Vinyl Chloride	2.281	62	19556	5.597	ug/l	96
5) Bromomethane	2.687	94	14203	5.972	ug/l	98
6) Chloroethane	2.828	64	13766	5.771	ug/l	94
7) Trichlorofluoromethane	3.164	101	16976	5.432	ug/l	90
8) Diethyl Ether	3.587	74	5564	5.694	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.975	101	9552	5.192	ug/l	93
10) Methyl Iodide	4.158	142	9019	4.380	ug/l	93
11) Tert butyl alcohol	5.034	59	4826	45.649	ug/l #	86
12) 1,1-Dichloroethene	3.928	96	9507	4.942	ug/l	86
13) Acrolein	3.787	56	5468	26.698	ug/l	86
14) Allyl chloride	4.558	41	13390	4.641	ug/l #	73
15) Acrylonitrile	5.263	53	12587	27.980	ug/l	93
16) Acetone	4.022	43	9247	23.497	ug/l	99
17) Carbon Disulfide	4.263	76	35329	5.181	ug/l	95
18) Methyl Acetate	4.558	43	6904	5.751	ug/l #	74
19) Methyl tert-butyl Ether	5.305	73	19650	4.975	ug/l	92
20) Methylene Chloride	4.805	84	31673	10.269	ug/l #	85
21) trans-1,2-Dichloroethene	5.310	96	10070	4.768	ug/l	89
22) Diisopropyl ether	6.216	45	27341	4.598	ug/l #	87
23) Vinyl Acetate	6.152	43	102793	23.586	ug/l #	92
24) 1,1-Dichloroethane	6.116	63	19095	4.858	ug/l	100
25) 2-Butanone	7.087	43	13941	25.735	ug/l #	87
26) 2,2-Dichloropropane	7.075	77	16954	5.462	ug/l	94
27) cis-1,2-Dichloroethene	7.075	96	11768	4.804	ug/l	76
28) Bromochloromethane	7.422	49	8400	5.024	ug/l #	67
29) Tetrahydrofuran	7.446	42	8285	25.158	ug/l #	83
30) Chloroform	7.599	83	19303	5.057	ug/l	84
31) Cyclohexane	7.875	56	18586	5.775	ug/l #	80
32) 1,1,1-Trichloroethane	7.793	97	15654	4.957	ug/l	97
36) 1,1-Dichloropropene	8.004	75	12652	4.345	ug/l	98
37) Ethyl Acetate	7.175	43	6930m	5.258	ug/l	
38) Carbon Tetrachloride	7.987	117	13165	4.454	ug/l	94
39) Methylcyclohexane	9.275	83	16078	4.671	ug/l #	85
40) Benzene	8.246	78	43911	4.636	ug/l	93

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 Supervised By :Semsettin Yesilyurt 08/15/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	3610	5.201	ug/l #	69
42) 1,2-Dichloroethane	8.322	62	10834	4.949	ug/l	99
43) Isopropyl Acetate	8.357	43	11156	4.854	ug/l #	82
44) Trichloroethene	9.028	130	9497	4.565	ug/l	88
45) 1,2-Dichloropropane	9.304	63	10178	4.366	ug/l #	87
46) Dibromomethane	9.393	93	5461	4.627	ug/l	93
47) Bromodichloromethane	9.581	83	13676	4.597	ug/l	93
48) Methyl methacrylate	9.381	41	5432	5.138	ug/l #	78
49) 1,4-Dioxane	9.387	88	1030	86.710	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	27643	23.377	ug/l	92
52) Toluene	10.328	92	26124	4.600	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	13183	4.740	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	14658	4.294	ug/l #	91
55) 1,1,2-Trichloroethane	10.728	97	7377	4.689	ug/l #	80
56) Ethyl methacrylate	10.598	69	9377	4.883	ug/l #	90
57) 1,3-Dichloropropane	10.881	76	13253	4.886	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.863	63	19203	22.381	ug/l	94
59) 2-Hexanone	10.916	43	19289	22.802	ug/l	91
60) Dibromochloromethane	11.075	129	9017	4.652	ug/l	98
61) 1,2-Dibromoethane	11.175	107	7173	5.134	ug/l	96
64) Tetrachloroethene	10.810	164	7865	4.692	ug/l #	82
65) Chlorobenzene	11.604	112	28455	4.724	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.675	131	9350	4.761	ug/l	94
67) Ethyl Benzene	11.681	91	44795	4.238	ug/l	99
68) m/p-Xylenes	11.787	106	33856	8.237	ug/l	94
69) o-Xylene	12.116	106	15133	4.029	ug/l	84
70) Styrene	12.134	104	27161	4.122	ug/l	96
71) Bromoform	12.298	173	5032	4.985	ug/l #	96
73) Isopropylbenzene	12.416	105	39845	4.459	ug/l	99
74) N-amyl acetate	12.228	43	9620	4.832	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.669	83	9152	5.486	ug/l	91
76) 1,2,3-Trichloropropane	12.722	75	5228m	5.039	ug/l	
77) Bromobenzene	12.698	156	10118	5.063	ug/l	82
78) n-propylbenzene	12.757	91	51203	4.631	ug/l	95
79) 2-Chlorotoluene	12.845	91	28100	4.564	ug/l	95
80) 1,3,5-Trimethylbenzene	12.898	105	32044	4.325	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	3283	5.392	ug/l	100
82) 4-Chlorotoluene	12.945	91	29138	4.500	ug/l	94
83) tert-Butylbenzene	13.157	119	28816	4.608	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	31347	4.135	ug/l	97
85) sec-Butylbenzene	13.339	105	42575	4.418	ug/l	98
86) p-Isopropyltoluene	13.457	119	34768	4.295	ug/l	98
87) 1,3-Dichlorobenzene	13.451	146	20316	4.775	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	20576	4.900	ug/l	92
89) n-Butylbenzene	13.781	91	33214	4.353	ug/l	96
90) Hexachloroethane	14.051	117	7863	4.734	ug/l	87
91) 1,2-Dichlorobenzene	13.828	146	15981	4.362	ug/l	88
92) 1,2-Dibromo-3-Chloropr...	14.439	75	1475	6.477	ug/l #	54
93) 1,2,4-Trichlorobenzene	15.092	180	8890	4.218	ug/l	95
94) Hexachlorobutadiene	15.198	225	5122	4.832	ug/l	95
95) Naphthalene	15.328	128	20065	4.977	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	9035	4.890	ug/l	92

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

