

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081324\
 Data File : VD079717.D
 Acq On : 13 Aug 2024 13:52
 Operator : RP/MD
 Sample : P3390-01 2.5PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

Quant Time: Aug 14 07:56:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081224S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 07:56:07 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/14/2024
 Supervised By :Mahesh Dadoda 08/14/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	166465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	329686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	295177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	128335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	102921	53.741	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.480%			
35) Dibromofluoromethane	7.805	113	105184	51.752	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.500%			
50) Toluene-d8	10.269	98	430757	50.709	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.420%			
62) 4-Bromofluorobenzene	12.575	95	112686	47.377	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	5399	3.305	ug/l	91
3) Chloromethane	2.146	50	12216	3.800	ug/l	92
4) Vinyl Chloride	2.281	62	12667	3.333	ug/l	94
5) Bromomethane	2.693	94	9744	3.767	ug/l	96
6) Chloroethane	2.828	64	8313	3.204	ug/l #	83
7) Trichlorofluoromethane	3.175	101	11225	3.302	ug/l	100
8) Diethyl Ether	3.593	74	3119	2.934	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.964	101	5632	2.815	ug/l #	88
10) Methyl Iodide	4.158	142	5369	2.397	ug/l #	92
11) Tert butyl alcohol	5.064	59	2042m	17.758	ug/l	
12) 1,1-Dichloroethene	3.934	96	6504	3.108	ug/l	83
13) Acrolein	3.805	56	2779	12.475	ug/l	98
14) Allyl chloride	4.552	41	9245	2.946	ug/l #	39
15) Acrylonitrile	5.252	53	7166	14.645	ug/l	96
16) Acetone	4.028	43	6035	14.099	ug/l	97
17) Carbon Disulfide	4.264	76	23533	3.173	ug/l	100
18) Methyl Acetate	4.564	43	3466	2.654	ug/l #	71
19) Methyl tert-butyl Ether	5.311	73	11835	2.755	ug/l #	81
20) Methylene Chloride	4.787	84	15816	4.715	ug/l	92
21) trans-1,2-Dichloroethene	5.299	96	6768	2.946	ug/l #	80
22) Diisopropyl ether	6.205	45	17236	2.665	ug/l #	87
23) Vinyl Acetate	6.152	43	59166	12.481	ug/l	98
24) 1,1-Dichloroethane	6.105	63	11945	2.794	ug/l	97
25) 2-Butanone	7.081	43	7975	13.535	ug/l	89
26) 2,2-Dichloropropane	7.075	77	10188	3.017	ug/l	93
27) cis-1,2-Dichloroethene	7.075	96	7786	2.922	ug/l	80
28) Bromochloromethane	7.428	49	5135	2.823	ug/l #	35
29) Tetrahydrofuran	7.446	42	4627	12.918	ug/l #	78
30) Chloroform	7.593	83	12813	3.086	ug/l	94
31) Cyclohexane	7.881	56	12466	3.561	ug/l #	85
32) 1,1,1-Trichloroethane	7.799	97	10467	3.047	ug/l	97
36) 1,1-Dichloropropene	8.005	75	8120	2.577	ug/l	96
37) Ethyl Acetate	7.163	43	3612	2.533	ug/l #	93
38) Carbon Tetrachloride	7.993	117	8130	2.542	ug/l	86
39) Methylcyclohexane	9.263	83	8882	2.385	ug/l #	89
40) Benzene	8.252	78	27909	2.724	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	1743m	2.321	ug/l	
42) 1,2-Dichloroethane	8.322	62	6561	2.770	ug/l	96
43) Isopropyl Acetate	8.363	43	6754	2.716	ug/l #	78
44) Trichloroethene	9.028	130	6544	2.908	ug/l	76
45) 1,2-Dichloropropane	9.299	63	6977	2.766	ug/l #	88
46) Dibromomethane	9.393	93	3453	2.704	ug/l	85
47) Bromodichloromethane	9.581	83	9022	2.803	ug/l #	99
48) Methyl methacrylate	9.381	41	2874	2.513	ug/l #	84
49) 1,4-Dioxane	9.387	88	645	50.191	ug/l #	73
51) 4-Methyl-2-Pentanone	10.151	43	14583	11.399	ug/l	92
52) Toluene	10.328	92	16289	2.651	ug/l	91
53) t-1,3-Dichloropropene	10.546	75	7946	2.641	ug/l #	87
54) cis-1,3-Dichloropropene	10.010	75	9853	2.668	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	5033	2.957	ug/l #	71
56) Ethyl methacrylate	10.593	69	5035	2.424	ug/l	92
57) 1,3-Dichloropropane	10.881	76	7836	2.670	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	10980	11.829	ug/l	90
59) 2-Hexanone	10.916	43	9943	10.864	ug/l	96
60) Dibromochloromethane	11.069	129	5055	2.410	ug/l	92
61) 1,2-Dibromoethane	11.175	107	4060	2.686	ug/l	97
64) Tetrachloroethene	10.810	164	5054	2.802	ug/l	89
65) Chlorobenzene	11.604	112	17924	2.765	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.675	131	5763	2.727	ug/l	96
67) Ethyl Benzene	11.681	91	28051	2.467	ug/l	96
68) m/p-Xylenes	11.793	106	21743	4.917	ug/l	92
69) o-Xylene	12.116	106	10414	2.576	ug/l	97
70) Styrene	12.134	104	16567	2.336	ug/l	96
71) Bromoform	12.298	173	2747	2.529	ug/l #	96
73) Isopropylbenzene	12.416	105	24407	2.709	ug/l	99
74) N-amyl acetate	12.234	43	5703	2.841	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.675	83	4351	2.586	ug/l	93
76) 1,2,3-Trichloropropane	12.716	75	3177m	3.037	ug/l	
77) Bromobenzene	12.698	156	5734	2.846	ug/l	78
78) n-propylbenzene	12.763	91	31205	2.799	ug/l	97
79) 2-Chlorotoluene	12.845	91	17428	2.807	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	21080	2.821	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	1735m	2.826	ug/l	
82) 4-Chlorotoluene	12.940	91	18711	2.866	ug/l	95
83) tert-Butylbenzene	13.163	119	17332	2.749	ug/l	92
84) 1,2,4-Trimethylbenzene	13.210	105	19395	2.537	ug/l	98
85) sec-Butylbenzene	13.340	105	25299	2.604	ug/l	100
86) p-Isopropyltoluene	13.457	119	20103	2.463	ug/l	97
87) 1,3-Dichlorobenzene	13.451	146	11955	2.787	ug/l	93
88) 1,4-Dichlorobenzene	13.534	146	13287	3.138	ug/l	90
89) n-Butylbenzene	13.787	91	21442	2.787	ug/l	97
90) Hexachloroethane	14.057	117	5116	3.055	ug/l	93
91) 1,2-Dichlorobenzene	13.828	146	10491	2.840	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.439	75	702	3.057	ug/l	65
93) 1,2,4-Trichlorobenzene	15.092	180	6460	3.039	ug/l	98
94) Hexachlorobutadiene	15.204	225	3251	3.042	ug/l	86
95) Naphthalene	15.328	128	12214	3.005	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.522	180	5418	2.908	ug/l	97

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

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