

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101424\
 Data File : VD079974.D
 Acq On : 14 Oct 2024 12:54
 Operator : RP/MD
 Sample : P4368-01 2.5 PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Quant Time: Oct 15 05:27:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101124S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 15 05:25:09 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
 Supervised By :Semsettin Yesilyurt 10/15/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	143929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	233928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	212045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	104789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	89610	54.732	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.460%			
35) Dibromofluoromethane	7.804	113	96549	57.183	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.360%			
50) Toluene-d8	10.269	98	302563	50.287	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.580%			
62) 4-Bromofluorobenzene	12.575	95	102667	48.881	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4386	3.100	ug/l	99
3) Chloromethane	2.146	50	5064	3.485	ug/l	94
4) Vinyl Chloride	2.287	62	5942	3.289	ug/l	90
5) Bromomethane	2.699	94	5640	3.629	ug/l	95
6) Chloroethane	2.846	64	4747	3.849	ug/l #	75
7) Trichlorofluoromethane	3.169	101	8641	3.053	ug/l #	83
8) Diethyl Ether	3.593	74	2261	2.908	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.963	101	5000	2.876	ug/l #	69
10) Methyl Iodide	4.169	142	5100	2.992	ug/l #	93
11) Tert butyl alcohol	5.046	59	2036	20.331	ug/l	99
12) 1,1-Dichloroethene	3.940	96	4670	3.020	ug/l	87
13) Acrolein	3.799	56	2095	19.512	ug/l #	78
14) Allyl chloride	4.558	41	6680	2.908	ug/l	93
15) Acrylonitrile	5.269	53	5548	14.935	ug/l #	80
16) Acetone	4.022	43	5872	13.837	ug/l	100
17) Carbon Disulfide	4.269	76	13886	3.221	ug/l	99
18) Methyl Acetate	4.563	43	3719	4.082	ug/l	99
19) Methyl tert-butyl Ether	5.322	73	9377	2.625	ug/l	98
20) Methylene Chloride	4.793	84	10468	5.022	ug/l	94
21) trans-1,2-Dichloroethene	5.316	96	5112	3.079	ug/l	94
22) Diisopropyl ether	6.222	45	12053	2.420	ug/l #	90
23) Vinyl Acetate	6.157	43	42676	15.247	ug/l	100
24) 1,1-Dichloroethane	6.122	63	9472	2.886	ug/l #	94
25) 2-Butanone	7.093	43	6941	13.432	ug/l	91
26) 2,2-Dichloropropane	7.081	77	9650	3.398	ug/l	91
27) cis-1,2-Dichloroethene	7.087	96	5963	2.888	ug/l	83
28) Bromochloromethane	7.422	49	4905	3.502	ug/l #	98
29) Tetrahydrofuran	7.446	42	4003	14.484	ug/l #	83
30) Chloroform	7.599	83	9729	2.799	ug/l	93
31) Cyclohexane	7.875	56	9702	3.900	ug/l #	53
32) 1,1,1-Trichloroethane	7.799	97	8829	3.066	ug/l	95
36) 1,1-Dichloropropene	8.004	75	6964	3.077	ug/l	93
37) Ethyl Acetate	7.181	43	3699	3.376	ug/l #	70
38) Carbon Tetrachloride	7.993	117	7133	2.837	ug/l #	83
39) Methylcyclohexane	9.269	83	7258	2.858	ug/l	92
40) Benzene	8.246	78	19948	2.788	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.416	41	2130	3.702	ug/l #	53
42) 1,2-Dichloroethane	8.328	62	5846	2.971	ug/l	89
43) Isopropyl Acetate	8.363	43	5531	2.740	ug/l	93
44) Trichloroethene	9.022	130	5066	2.862	ug/l	90
45) 1,2-Dichloropropane	9.304	63	5544	3.055	ug/l	98
46) Dibromomethane	9.387	93	2984	2.980	ug/l	91
47) Bromodichloromethane	9.581	83	7536	2.838	ug/l	99
48) Methyl methacrylate	9.381	41	2340	2.574	ug/l #	86
49) 1,4-Dioxane	9.381	88	602	54.718	ug/l #	71
51) 4-Methyl-2-Pentanone	10.157	43	12444	12.051	ug/l	95
52) Toluene	10.334	92	12694	2.897	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	5993	2.577	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	7137	2.601	ug/l	93
55) 1,1,2-Trichloroethane	10.734	97	3908	2.779	ug/l	96
56) Ethyl methacrylate	10.598	69	4028	2.452	ug/l #	93
57) 1,3-Dichloropropane	10.875	76	5829	2.568	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	7713	12.686	ug/l	99
59) 2-Hexanone	10.922	43	9507	12.431	ug/l	90
60) Dibromochloromethane	11.075	129	5065	2.772	ug/l	99
61) 1,2-Dibromoethane	11.175	107	3670	2.835	ug/l	96
64) Tetrachloroethene	10.810	164	4524	3.025	ug/l	87
65) Chlorobenzene	11.604	112	14469	2.932	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.681	131	4753	2.681	ug/l	92
67) Ethyl Benzene	11.681	91	21013	2.518	ug/l	90
68) m/p-Xylenes	11.787	106	15629	4.879	ug/l	99
69) o-Xylene	12.122	106	7927	2.675	ug/l	90
70) Styrene	12.134	104	13086	2.481	ug/l	100
71) Bromoform	12.298	173	3013	2.826	ug/l #	99
73) Isopropylbenzene	12.416	105	17506	2.456	ug/l	100
74) N-amyl acetate	12.228	43	4414	2.560	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	4586	3.173	ug/l	96
76) 1,2,3-Trichloropropane	12.716	75	3241m	2.803	ug/l	
77) Bromobenzene	12.698	156	5710	3.096	ug/l	93
78) n-propylbenzene	12.763	91	25002	2.821	ug/l	97
79) 2-Chlorotoluene	12.851	91	14278	2.773	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	15676	2.609	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.463	75	1582	3.054	ug/l #	82
82) 4-Chlorotoluene	12.945	91	14734	2.664	ug/l	99
83) tert-Butylbenzene	13.163	119	13093	2.543	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	14065	2.331	ug/l	89
85) sec-Butylbenzene	13.345	105	18893	2.387	ug/l	98
86) p-Isopropyltoluene	13.463	119	16224	2.457	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	10254	2.718	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	11826	3.137	ug/l	89
89) n-Butylbenzene	13.786	91	15508	2.428	ug/l	99
90) Hexachloroethane	14.051	117	4461	3.057	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	9010	2.733	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.451	75	877	3.634	ug/l	76
93) 1,2,4-Trichlorobenzene	15.098	180	5742	2.780	ug/l	98
94) Hexachlorobutadiene	15.204	225	3195	2.809	ug/l	96
95) Naphthalene	15.339	128	10542	2.862	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.522	180	4901	2.677	ug/l	97

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

