

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101024\
 Data File : VY019848.D
 Acq On : 10 Oct 2024 11:50
 Operator : SY/MD
 Sample : P4368-01 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Oct 11 08:12:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 08:10:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	371885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	651299	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	538985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	242119	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	220204	48.090	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.180%
35) Dibromofluoromethane	7.634	113	215033	50.033	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.060%
50) Toluene-d8	10.109	98	781351	49.230	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.460%
62) 4-Bromofluorobenzene	12.408	95	265161	46.237	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	92.480%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	10815	3.124	ug/l	97
3) Chloromethane	2.074	50	16037	3.559	ug/l	90
4) Vinyl Chloride	2.208	62	17787	3.587	ug/l	99
5) Bromomethane	2.604	94	11817	3.765	ug/l	81
6) Chloroethane	2.739	64	11103	3.333	ug/l	95
7) Trichlorofluoromethane	3.068	101	22962	3.112	ug/l	97
8) Diethyl Ether	3.458	74	6695	2.986	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.830	101	13211	3.078	ug/l	98
10) Methyl Iodide	4.001	142	13201	3.041	ug/l	98
11) Tert butyl alcohol	4.860	59	11716	27.311	ug/l #	91
12) 1,1-Dichloroethene	3.799	96	12690	3.181	ug/l	97
13) Acrolein	3.659	56	6641	19.738	ug/l	96
14) Allyl chloride	4.385	41	21254	2.953	ug/l	94
15) Acrylonitrile	5.073	53	13930	13.582	ug/l	98
16) Acetone	3.872	43	15322	12.854	ug/l	94
17) Carbon Disulfide	4.116	76	39254	3.671	ug/l	98
18) Methyl Acetate	4.397	43	9056	3.527	ug/l #	82
19) Methyl tert-butyl Ether	5.122	73	31830	2.777	ug/l	94
20) Methylene Chloride	4.616	84	20628	4.288	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	14044	3.234	ug/l #	89
22) Diisopropyl ether	6.025	45	45031	2.872	ug/l	94
23) Vinyl Acetate	5.970	43	131590m	14.639	ug/l	
24) 1,1-Dichloroethane	5.921	63	26045	2.988	ug/l	94
25) 2-Butanone	6.902	43	21428	13.430	ug/l	99
26) 2,2-Dichloropropane	6.884	77	27370	3.526	ug/l	92
27) cis-1,2-Dichloroethene	6.890	96	15535	2.895	ug/l	90
28) Bromochloromethane	7.244	49	10888	2.838	ug/l	97
29) Tetrahydrofuran	7.262	42	12061	13.239	ug/l	98
30) Chloroform	7.427	83	26834	3.020	ug/l	100
31) Cyclohexane	7.713	56	32748	4.280	ug/l #	79
32) 1,1,1-Trichloroethane	7.616	97	22761	2.923	ug/l	98
36) 1,1-Dichloropropene	7.835	75	20422	3.298	ug/l	98
37) Ethyl Acetate	6.988	43	9073m	2.810	ug/l	
38) Carbon Tetrachloride	7.817	117	19793	2.982	ug/l	88
39) Methylcyclohexane	9.109	83	24609	3.154	ug/l	90
40) Benzene	8.085	78	57311	3.058	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	4957	2.837	ug/l	93
42) 1,2-Dichloroethane	8.158	62	16248	3.018	ug/l	98
43) Isopropyl Acetate	8.195	43	17480	2.655	ug/l	97
44) Trichloroethene	8.865	130	13079	2.882	ug/l	98
45) 1,2-Dichloropropane	9.146	63	13220	2.819	ug/l	96
46) Dibromomethane	9.231	93	7011	2.736	ug/l	94
47) Bromodichloromethane	9.426	83	18364	2.700	ug/l #	97
48) Methyl methacrylate	9.219	41	8106	2.799	ug/l	95
49) 1,4-Dioxane	9.237	88	1566	54.601	ug/l #	70
51) 4-Methyl-2-Pentanone	9.999	43	41970	12.497	ug/l	97
52) Toluene	10.176	92	36239	3.098	ug/l	92
53) t-1,3-Dichloropropene	10.396	75	16308	2.665	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	19186	2.657	ug/l #	92
55) 1,1,2-Trichloroethane	10.573	97	8894	2.634	ug/l #	85
56) Ethyl methacrylate	10.444	69	11809	2.438	ug/l	97
57) 1,3-Dichloropropane	10.719	76	16441	2.773	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	30590	13.564	ug/l	99
59) 2-Hexanone	10.761	43	27175	11.329	ug/l	99
60) Dibromochloromethane	10.908	129	11819	2.727	ug/l	91
61) 1,2-Dibromoethane	11.018	107	8498	2.785	ug/l	100
64) Tetrachloroethene	10.646	164	12091	3.154	ug/l	94
65) Chlorobenzene	11.438	112	36598	2.969	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	11593	2.779	ug/l	95
67) Ethyl Benzene	11.517	91	66283	2.960	ug/l	99
68) m/p-Xylenes	11.627	106	49428	5.976	ug/l	98
69) o-Xylene	11.956	106	22853	2.876	ug/l	95
70) Styrene	11.969	104	35273	2.631	ug/l	96
71) Bromoform	12.133	173	6076	2.721	ug/l #	93
73) Isopropylbenzene	12.255	105	60857	2.988	ug/l	99
74) N-amyl acetate	12.072	43	14163	2.626	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	9675	2.674	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	8960m	3.554	ug/l	
77) Bromobenzene	12.529	156	12914	2.988	ug/l	96
78) n-propylbenzene	12.597	91	75193	3.056	ug/l	98
79) 2-Chlorotoluene	12.676	91	44059	3.123	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	48692	2.961	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	2838m	2.415	ug/l	
82) 4-Chlorotoluene	12.779	91	43337	3.004	ug/l	97
83) tert-Butylbenzene	12.993	119	44115	2.994	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	46824	2.872	ug/l	98
85) sec-Butylbenzene	13.176	105	64404	2.926	ug/l	97
86) p-Isopropyltoluene	13.292	119	50562	2.829	ug/l	97
87) 1,3-Dichlorobenzene	13.285	146	26460	3.032	ug/l	95
88) 1,4-Dichlorobenzene	13.365	146	26034	3.036	ug/l	89
89) n-Butylbenzene	13.615	91	50189	2.875	ug/l	99
90) Hexachloroethane	13.883	117	9279	2.666	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	22249	2.901	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.267	75	1603	2.776	ug/l	74
93) 1,2,4-Trichlorobenzene	14.919	180	11575	2.692	ug/l	99
94) Hexachlorobutadiene	15.023	225	7079	2.961	ug/l	97
95) Naphthalene	15.145	128	19814	2.443	ug/l	98
96) 1,2,3-Trichlorobenzene	15.322	180	9071	2.496	ug/l	97

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

