

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012624\
 Data File : VY017116.D
 Acq On : 26 Jan 2024 13:10
 Operator : SY/MD
 Sample : P1187-03 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Jan 29 05:22:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 05:22:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/29/2024
 Supervised By :Semsettin Yesilyurt 01/29/2024

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	114525	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	203488	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	170800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	65977	59.128	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.260%			
35) Dibromofluoromethane	7.716	113	66510	54.155	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.320%			
50) Toluene-d8	10.179	98	251288	54.172	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.340%			
62) 4-Bromofluorobenzene	12.483	95	73596	51.503	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	2596	2.609	ug/l	97
3) Chloromethane	2.113	50	4887	2.927	ug/l	97
4) Vinyl Chloride	2.247	62	6071	3.181	ug/l	100
5) Bromomethane	2.650	94	4567	3.212	ug/l	98
6) Chloroethane	2.790	64	3810	3.116	ug/l	91
7) Trichlorofluoromethane	3.125	101	5742	2.596	ug/l	95
8) Diethyl Ether	3.528	74	1546	2.343	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.899	101	3424	2.673	ug/l	99
10) Methyl Iodide	4.095	142	2688	2.209	ug/l #	95
11) Tert butyl alcohol	4.942	59	2241	26.503	ug/l #	75
12) 1,1-Dichloroethene	3.875	96	2969	2.532	ug/l	93
13) Acrolein	3.735	56	1618	12.091	ug/l	99
14) Allyl chloride	4.479	41	4358	2.459	ug/l	97
15) Acrylonitrile	5.149	53	3467	12.106	ug/l #	88
16) Acetone	3.948	43	4523	12.497	ug/l	91
17) Carbon Disulfide	4.198	76	9269	2.623	ug/l #	89
18) Methyl Acetate	4.479	43	2519	2.201	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	6158	2.152	ug/l #	88
20) Methylene Chloride	4.716	84	7961	5.178	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	3373	2.487	ug/l	83
22) Diisopropyl ether	6.119	45	8393	2.145	ug/l	97
23) Vinyl Acetate	6.058	43	20879	11.002	ug/l	100
24) 1,1-Dichloroethane	6.009	63	6004	2.516	ug/l #	93
25) 2-Butanone	6.990	43	4978	11.206	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	5190	2.546	ug/l	89
27) cis-1,2-Dichloroethene	6.978	96	3583	2.384	ug/l	93
28) Bromochloromethane	7.332	49	2257	2.376	ug/l	94
29) Tetrahydrofuran	7.350	42	2423	10.709	ug/l	95
30) Chloroform	7.515	83	6142	2.528	ug/l	94
31) Cyclohexane	7.789	56	7443	3.376	ug/l #	51
32) 1,1,1-Trichloroethane	7.704	97	5295	2.541	ug/l	97
36) 1,1-Dichloropropene	7.917	75	5250	2.598	ug/l	94
37) Ethyl Acetate	7.070	43	2137	2.460	ug/l #	87
38) Carbon Tetrachloride	7.899	117	4726	2.387	ug/l #	93
39) Methylcyclohexane	9.185	83	5536	2.278	ug/l	88
40) Benzene	8.161	78	13876	2.365	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	954m	2.053	ug/l	
42) 1,2-Dichloroethane	8.234	62	3919	2.576	ug/l	97
43) Isopropyl Acetate	8.271	43	3749	2.311	ug/l #	79
44) Trichloroethene	8.941	130	3627	2.410	ug/l	98
45) 1,2-Dichloropropane	9.216	63	3364	2.336	ug/l	93
46) Dibromomethane	9.301	93	1745	2.281	ug/l	99
47) Bromodichloromethane	9.496	83	4223	2.170	ug/l	95
48) Methyl methacrylate	9.295	41	1922	2.134	ug/l	96
49) 1,4-Dioxane	9.301	88	335	44.528	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	8368	9.698	ug/l	98
52) Toluene	10.246	92	8497	2.392	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	3688	2.075	ug/l #	76
54) cis-1,3-Dichloropropene	9.929	75	4732	2.164	ug/l #	93
55) 1,1,2-Trichloroethane	10.648	97	2341	2.190	ug/l	95
56) Ethyl methacrylate	10.508	69	1670	1.786	ug/l #	91
57) 1,3-Dichloropropane	10.795	76	4103	2.270	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	6176	9.517	ug/l	99
59) 2-Hexanone	10.837	43	6198	9.416	ug/l	96
60) Dibromochloromethane	10.984	129	2948	2.373	ug/l	95
61) 1,2-Dibromoethane	11.093	107	2197	2.262	ug/l	99
64) Tetrachloroethene	10.721	164	3183	2.674	ug/l	96
65) Chlorobenzene	11.520	112	8938	2.469	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	2982	2.256	ug/l	98
67) Ethyl Benzene	11.593	91	14391	2.187	ug/l	98
68) m/p-Xylenes	11.703	106	10763	4.354	ug/l	100
69) o-Xylene	12.032	106	4627	2.060	ug/l	96
70) Styrene	12.044	104	6179	1.895	ug/l	97
71) Bromoform	12.209	173	1501	2.264	ug/l #	98
73) Isopropylbenzene	12.331	105	12489	2.123	ug/l	99
74) N-amyl acetate	12.148	43	2472	2.085	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	2766	2.466	ug/l	97
76) 1,2,3-Trichloropropane	12.642	75	1876m	2.160	ug/l	
77) Bromobenzene	12.617	156	3013	2.367	ug/l	98
78) n-propylbenzene	12.672	91	16964	2.398	ug/l	97
79) 2-Chlorotoluene	12.758	91	9415	2.425	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	9677	2.079	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.380	75	716m	2.134	ug/l	
82) 4-Chlorotoluene	12.861	91	9801	2.436	ug/l	100
83) tert-Butylbenzene	13.081	119	8729	2.168	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	9266	2.003	ug/l	94
85) sec-Butylbenzene	13.258	105	13180	2.211	ug/l	98
86) p-Isopropyltoluene	13.373	119	10377	2.089	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	6126	2.438	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	6184	2.501	ug/l	85
89) n-Butylbenzene	13.703	91	10963	2.288	ug/l	97
90) Hexachloroethane	13.971	117	2548	2.461	ug/l	94
91) 1,2-Dichlorobenzene	13.745	146	5328	2.483	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	333	2.325	ug/l	87
93) 1,2,4-Trichlorobenzene	15.013	180	2508	2.236	ug/l	98
94) Hexachlorobutadiene	15.117	225	1576	2.335	ug/l	93
95) Naphthalene	15.239	128	3942	1.990	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	2222	2.382	ug/l	96

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

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