Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012624\
Data File : VY017117.D
Acq On : 26 Jan 2024 13:32
Operator : SY/MD
Sample : P1187-03 4 PPB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 29 05:23:22 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

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

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	109042	50.000	ug/l		-0.01
34) 1,4-Difluorobenzene	8.691	114	189192	50.000	ug/l		-0.01
63) Chlorobenzene-d5	11.496	117	161339	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69225	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.142	65	62180	58.528	ug/l		-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.060%				
35) Dibromofluoromethane	7.716	113	63706	55.792	ug/l		-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.580%				
50) Toluene-d8	10.179	98	240001	55.648	ug/l		-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.300%				
62) 4-Bromofluorobenzene	12.483	95	71161	53.561	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.120%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.900	85	4712	4.973	ug/l		98
3) Chloromethane	2.107	50	8604	5.412	ug/l		97
4) Vinyl Chloride	2.247	62	10585	5.826	ug/l		99
5) Bromomethane	2.650	94	8156	6.025	ug/l		86
6) Chloroethane	2.784	64	6628	5.693	ug/l		97
7) Trichlorofluoromethane	3.119	101	10141	4.816	ug/l		97
8) Diethyl Ether	3.521	74	2839	4.519	ug/l		88
9) 1,1,2-Trichlorotrifluo...	3.899	101	6021	4.937	ug/l		97
10) Methyl Iodide	4.082	142	4527	3.907	ug/l		97
11) Tert butyl alcohol	4.936	59	3328	41.337	ug/l	#	75
12) 1,1-Dichloroethene	3.869	96	5215	4.671	ug/l		94
13) Acrolein	3.729	56	3017	23.679	ug/l		89
14) Allyl chloride	4.479	41	7981	4.729	ug/l		99
15) Acrylonitrile	5.155	53	6116	22.430	ug/l		95
16) Acetone	3.948	43	7188	20.860	ug/l		98
17) Carbon Disulfide	4.186	76	16786	4.988	ug/l	#	93
18) Methyl Acetate	4.472	43	4797	4.401	ug/l	#	76
19) Methyl tert-butyl Ether	5.216	73	11418	4.191	ug/l	#	88
20) Methylene Chloride	4.716	84	10950	7.480	ug/l		89
21) trans-1,2-Dichloroethene	5.210	96	5920	4.584	ug/l		93
22) Diisopropyl ether	6.112	45	16359	4.392	ug/l		98
23) Vinyl Acetate	6.051	43	38343	21.220	ug/l		98
24) 1,1-Dichloroethane	6.009	63	11025	4.853	ug/l		96
25) 2-Butanone	6.990	43	8792	20.786	ug/l		95
26) 2,2-Dichloropropane	6.978	77	9151	4.716	ug/l		97
27) cis-1,2-Dichloroethene	6.984	96	6431	4.494	ug/l		92
28) Bromochloromethane	7.338	49	3593	3.972	ug/l	#	93
29) Tetrahydrofuran	7.350	42	4800	22.281	ug/l		98
30) Chloroform	7.502	83	11598	5.013	ug/l		100
31) Cyclohexane	7.789	56	10890	5.187	ug/l	#	71
32) 1,1,1-Trichloroethane	7.697	97	9431	4.754	ug/l		94
36) 1,1-Dichloropropene	7.917	75	8729	4.646	ug/l		99
37) Ethyl Acetate	7.069	43	3914	4.845	ug/l	#	97
38) Carbon Tetrachloride	7.893	117	7944	4.315	ug/l		96
39) Methylcyclohexane	9.185	83	9632	4.263	ug/l		93
40) Benzene	8.161	78	25618	4.695	ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.307	41	1762m	4.078	ug/l		
42) 1,2-Dichloroethane	8.240	62	6818	4.820	ug/l		98
43) Isopropyl Acetate	8.271	43	6591	4.370	ug/l	#	90
44) Trichloroethene	8.941	130	6378	4.558	ug/l		97
45) 1,2-Dichloropropane	9.222	63	6206	4.634	ug/l		100
46) Dibromomethane	9.307	93	3118	4.384	ug/l		98
47) Bromodichloromethane	9.502	83	8254	4.562	ug/l		93
48) Methyl methacrylate	9.295	41	3294	3.934	ug/l		95
49) 1,4-Dioxane	9.301	88	581	83.062	ug/l		97
51) 4-Methyl-2-Pentanone	10.075	43	15754	19.638	ug/l		99
52) Toluene	10.246	92	14762	4.470	ug/l		98
53) t-1,3-Dichloropropene	10.471	75	6874	4.159	ug/l		98
54) cis-1,3-Dichloropropene	9.929	75	8650	4.255	ug/l		97
55) 1,1,2-Trichloroethane	10.648	97	4417	4.444	ug/l		95
56) Ethyl methacrylate	10.514	69	3111	3.579	ug/l	#	85
57) 1,3-Dichloropropane	10.794	76	7425	4.418	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.782	63	10921	18.100	ug/l		99
59) 2-Hexanone	10.837	43	11256	18.391	ug/l		98
60) Dibromochloromethane	10.983	129	4908	4.250	ug/l		97
61) 1,2-Dibromoethane	11.087	107	3782	4.188	ug/l		99
64) Tetrachloroethene	10.721	164	5232	4.652	ug/l		89
65) Chlorobenzene	11.520	112	15462	4.522	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.593	131	5224	4.183	ug/l		95
67) Ethyl Benzene	11.593	91	26221	4.219	ug/l		95
68) m/p-Xylenes	11.703	106	18653	7.988	ug/l		97
69) o-Xylene	12.032	106	8387	3.954	ug/l		97
70) Styrene	12.044	104	11666	3.788	ug/l		97
71) Bromoform	12.209	173	2535	4.048	ug/l	#	96
73) Isopropylbenzene	12.331	105	22485	3.951	ug/l		99
74) N-amyl acetate	12.148	43	4507	3.929	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.581	83	4769	4.395	ug/l		98
76) 1,2,3-Trichloropropane	12.629	75	3790m	4.511	ug/l		
77) Bromobenzene	12.611	156	5651	4.589	ug/l		97
78) n-propylbenzene	12.672	91	28953	4.230	ug/l		98
79) 2-Chlorotoluene	12.764	91	16761	4.462	ug/l		97
80) 1,3,5-Trimethylbenzene	12.818	105	17950	3.985	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.380	75	1319	4.064	ug/l		92
82) 4-Chlorotoluene	12.855	91	17646	4.533	ug/l		98
83) tert-Butylbenzene	13.075	119	15344	3.939	ug/l		97
84) 1,2,4-Trimethylbenzene	13.123	105	17025	3.803	ug/l		98
85) sec-Butylbenzene	13.257	105	23376	4.052	ug/l		99
86) p-Isopropyltoluene	13.373	119	18319	3.812	ug/l		99
87) 1,3-Dichlorobenzene	13.367	146	10713	4.407	ug/l		98
88) 1,4-Dichlorobenzene	13.446	146	10870	4.544	ug/l		92
89) n-Butylbenzene	13.696	91	18949	4.088	ug/l		97
90) Hexachloroethane	13.965	117	4473	4.466	ug/l		96
91) 1,2-Dichlorobenzene	13.739	146	9240	4.450	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	597	4.307	ug/l		98
93) 1,2,4-Trichlorobenzene	15.007	180	3842	3.541	ug/l		96
94) Hexachlorobutadiene	15.117	225	2823	4.323	ug/l		95
95) Naphthalene	15.239	128	6209	3.240	ug/l		98
96) 1,2,3-Trichlorobenzene	15.428	180	3512	3.891	ug/l		94

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

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

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