Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022421\
Data File : VY004049.D
Acq On : 24 Feb 2021 13:02
Operator : SY/MD
Sample : M1458-03 4PPBMDL
Misc : 5.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2021

Manual Integrations APPROVED
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2/25/2021 12:17:53 PM

Quant Time: Feb 25 01:25:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022221S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 25 01:24:23 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.795	168	59750	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.691	114	88936	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.489	117	82516	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	42395	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.142	65	36537	54.80	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.60%				
35) Dibromofluoromethane	7.722	113	29193	54.45	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.90%				
50) Toluene-d8	10.179	98	117795	54.79	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.58%				
62) 4-Bromofluorobenzene	12.477	95	41063	54.07	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.14%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.906	85	2641	4.66	ug/l		91
3) Chloromethane	2.113	50	4279	5.05	ug/l		95
4) Vinyl Chloride	2.253	62	3907	4.76	ug/l		96
5) Bromomethane	2.649	94	2830	5.14	ug/l		92
6) Chloroethane	2.796	64	2345	4.73	ug/l		94
7) Trichlorofluoromethane	3.131	101	4610	4.49	ug/l		98
8) Diethyl Ether	3.527	74	1175	3.57	ug/l		80
9) 1,1,2-Trichlorotrifluo...	3.899	101	2270	4.13	ug/l		96
10) Methyl Iodide	4.094	142	2333	3.38	ug/l		95
11) Tert butyl alcohol	4.954	59	1386	14.01	ug/l	#	76
12) 1,1-Dichloroethene	3.881	96	2064	3.74	ug/l		89
13) Acrolein	3.741	56	1095	16.51	ug/l		98
14) Allyl chloride	4.491	41	4067	3.89	ug/l		96
15) Acrylonitrile	5.173	53	3431	19.80	ug/l		99
16) Acetone	3.948	43	3076	18.25	ug/l	#	82
17) Carbon Disulfide	4.192	76	7539	4.23	ug/l		96
18) Methyl Acetate	4.478	43	1582	4.00	ug/l		93
19) Methyl tert-butyl Ether	5.222	73	6272	3.87	ug/l		99
20) Methylene Chloride	4.728	84	4294	6.30	ug/l	#	87
21) trans-1,2-Dichloroethene	5.222	96	2403	3.88	ug/l		97
22) Diisopropyl ether	6.118	45	7965	3.88	ug/l	#	89
23) Vinyl Acetate	6.070	43	25912	18.62	ug/l		100
24) 1,1-Dichloroethane	6.027	63	4556	4.14	ug/l		96
25) 2-Butanone	6.996	43	4425	18.43	ug/l		95
26) 2,2-Dichloropropane	6.990	77	4114	4.05	ug/l		96
27) cis-1,2-Dichloroethene	6.996	96	2735	4.02	ug/l		99
28) Bromochloromethane	7.332	49	1841	3.79	ug/l	#	98
29) Tetrahydrofuran	7.350	42	2692	17.37	ug/l		98
30) Chloroform	7.514	83	4695	4.21	ug/l		99
31) Cyclohexane	7.789	56	5542	4.95	ug/l	#	86
32) 1,1,1-Trichloroethane	7.703	97	4215	4.12	ug/l		98
36) 1,1-Dichloropropene	7.917	75	3619	4.06	ug/l		98
37) Ethyl Acetate	7.082	43	1953	3.71	ug/l	#	94
38) Carbon Tetrachloride	7.911	117	3758	4.09	ug/l		97
39) Methylcyclohexane	9.179	83	4500	4.18	ug/l		92
40) Benzene	8.161	78	10443	4.22	ug/l		99

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.332	41	1263m	4.54 ug/l		
42) 1,2-Dichloroethane	8.240	62	3405	4.19 ug/l		99
43) Isopropyl Acetate	8.277	43	3700	3.73 ug/l		99
44) Trichloroethene	8.941	130	2819	4.13 ug/l		93
45) 1,2-Dichloropropane	9.215	63	2529	4.17 ug/l		98
46) Dibromomethane	9.307	93	1240	3.66 ug/l		91
47) Bromodichloromethane	9.496	83	3529	4.07 ug/l		91
48) Methyl methacrylate	9.289	41	1802	3.71 ug/l		93
49) 1,4-Dioxane	9.301	88	313	76.57 ug/l	#	65
51) 4-Methyl-2-Pentanone	10.069	43	9112	17.78 ug/l		99
52) Toluene	10.246	92	6320	4.09 ug/l		99
53) t-1,3-Dichloropropene	10.465	75	3795	4.07 ug/l		94
54) cis-1,3-Dichloropropene	9.929	75	3985	3.82 ug/l		97
55) 1,1,2-Trichloroethane	10.648	97	1931	4.02 ug/l		94
56) Ethyl methacrylate	10.508	69	2639	3.85 ug/l		97
57) 1,3-Dichloropropane	10.788	76	3367	3.96 ug/l		96
58) 2-Chloroethyl Vinyl ether	9.782	63	7176	23.06 ug/l		96
59) 2-Hexanone	10.831	43	6219	17.22 ug/l		99
60) Dibromochloromethane	10.983	129	2385	3.93 ug/l		100
61) 1,2-Dibromoethane	11.093	107	1852	3.93 ug/l		99
64) Tetrachloroethene	10.721	164	3196	4.20 ug/l		92
65) Chlorobenzene	11.514	112	6902	4.15 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.593	131	2481	3.91 ug/l		99
67) Ethyl Benzene	11.593	91	12079	3.87 ug/l		95
68) m/p-Xylenes	11.697	106	9234	8.03 ug/l		98
69) o-Xylene	12.026	106	4377	4.05 ug/l		98
70) Styrene	12.044	104	7240	3.90 ug/l		99
71) Bromoform	12.203	173	1595	3.93 ug/l	#	96
73) Isopropylbenzene	12.331	105	11886	3.95 ug/l		99
74) N-amyl acetate	12.142	43	3151	3.47 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.581	83	2095	3.82 ug/l		98
76) 1,2,3-Trichloropropane	12.629	75	1744m	4.10 ug/l		
77) Bromobenzene	12.605	156	2968	4.01 ug/l		98
78) n-propylbenzene	12.666	91	14454	4.01 ug/l		97
79) 2-Chlorotoluene	12.751	91	8191	4.01 ug/l		96
80) 1,3,5-Trimethylbenzene	12.812	105	9954	3.88 ug/l		95
81) trans-1,4-Dichloro-2-b...	12.379	75	860	3.75 ug/l		94
82) 4-Chlorotoluene	12.849	91	8782	4.09 ug/l		99
83) tert-Butylbenzene	13.068	119	8716	3.96 ug/l		97
84) 1,2,4-Trimethylbenzene	13.117	105	9909	3.85 ug/l		98
85) sec-Butylbenzene	13.251	105	11939	3.96 ug/l		97
86) p-Isopropyltoluene	13.367	119	10277	3.66 ug/l		97
87) 1,3-Dichlorobenzene	13.361	146	5731	4.06 ug/l		97
88) 1,4-Dichlorobenzene	13.446	146	5752	4.10 ug/l		90
89) n-Butylbenzene	13.690	91	10454	4.01 ug/l		98
90) Hexachloroethane	13.958	117	2010	4.02 ug/l		96
91) 1,2-Dichlorobenzene	13.733	146	5018	4.02 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	395	3.76 ug/l		94
93) 1,2,4-Trichlorobenzene	15.001	180	3569	3.98 ug/l		98
94) Hexachlorobutadiene	15.105	225	2496	4.41 ug/l		96
95) Naphthalene	15.233	128	6179	3.78 ug/l		99
96) 1,2,3-Trichlorobenzene	15.422	180	3013	3.94 ug/l		99

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

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