Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022221\
Data File : VY004040.D
Acq On : 22 Feb 2021 17:22
Operator : SY/MD
Sample : M1458-01 4PPBLOD
Misc : 5.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2021

Manual Integrations APPROVED
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2/23/2021 1:06:49 PM

Quant Time: Feb 23 04:15:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022221S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 23 04:14:29 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.789	168	64330	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.691	114	98284	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.489	117	90159	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	44002	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.142	65	39583	55.14	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.28%				
35) Dibromofluoromethane	7.722	113	31048	52.40	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.80%				
50) Toluene-d8	10.178	98	126283	53.15	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.30%				
62) 4-Bromofluorobenzene	12.477	95	42703	50.88	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.76%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.899	85	2653	4.35	ug/l		97
3) Chloromethane	2.113	50	4718	5.17	ug/l		97
4) Vinyl Chloride	2.253	62	4185	4.73	ug/l		99
5) Bromomethane	2.649	94	2971	5.01	ug/l		92
6) Chloroethane	2.796	64	2415	4.52	ug/l		95
7) Trichlorofluoromethane	3.125	101	4903	4.43	ug/l		95
8) Diethyl Ether	3.527	74	1518	4.29	ug/l		85
9) 1,1,2-Trichlorotrifluo...	3.899	101	2358	3.99	ug/l		96
10) Methyl Iodide	4.088	142	2783	3.75	ug/l		98
11) Tert butyl alcohol	4.954	59	1451	13.62	ug/l	#	76
12) 1,1-Dichloroethene	3.875	96	2590	4.36	ug/l		97
13) Acrolein	3.735	56	1530	21.43	ug/l		98
14) Allyl chloride	4.484	41	4816	4.28	ug/l		99
15) Acrylonitrile	5.173	53	3919	21.00	ug/l		99
16) Acetone	3.954	43	3473	19.14	ug/l		95
17) Carbon Disulfide	4.192	76	8392	4.37	ug/l	#	93
18) Methyl Acetate	4.490	43	1850	4.34	ug/l	#	90
19) Methyl tert-butyl Ether	5.228	73	7457	4.28	ug/l		96
20) Methylene Chloride	4.722	84	5783	7.89	ug/l		98
21) trans-1,2-Dichloroethene	5.222	96	2857	4.28	ug/l		91
22) Diisopropyl ether	6.124	45	9463	4.28	ug/l		97
23) Vinyl Acetate	6.063	43	30715	20.50	ug/l		99
24) 1,1-Dichloroethane	6.027	63	5312	4.49	ug/l	#	92
25) 2-Butanone	6.990	43	4926	19.05	ug/l		92
26) 2,2-Dichloropropane	6.984	77	4809	4.39	ug/l		95
27) cis-1,2-Dichloroethene	6.990	96	3291	4.49	ug/l		98
28) Bromochloromethane	7.338	49	2124	4.06	ug/l	#	95
29) Tetrahydrofuran	7.350	42	3301	19.78	ug/l		96
30) Chloroform	7.508	83	5270	4.39	ug/l		96
31) Cyclohexane	7.789	56	6228	5.17	ug/l	#	75
32) 1,1,1-Trichloroethane	7.703	97	4748	4.31	ug/l		98
36) 1,1-Dichloropropene	7.917	75	4077	4.14	ug/l		98
37) Ethyl Acetate	7.081	43	2084	3.58	ug/l	#	90
38) Carbon Tetrachloride	7.904	117	4239	4.17	ug/l		98
39) Methylcyclohexane	9.185	83	4823	4.06	ug/l		98
40) Benzene	8.161	78	12126	4.44	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.313	41	1288	4.19	ug/l	#	43
42) 1,2-Dichloroethane	8.234	62	3941	4.39	ug/l		98
43) Isopropyl Acetate	8.276	43	4255	3.88	ug/l		98
44) Trichloroethene	8.935	130	3324	4.40	ug/l		94
45) 1,2-Dichloropropane	9.215	63	3038	4.53	ug/l		97
46) Dibromomethane	9.307	93	1598	4.26	ug/l		98
47) Bromodichloromethane	9.496	83	4066	4.24	ug/l		97
48) Methyl methacrylate	9.288	41	2151	4.01	ug/l		99
49) 1,4-Dioxane	9.294	88	295	65.30	ug/l	#	70
51) 4-Methyl-2-Pentanone	10.069	43	10650	18.81	ug/l		99
52) Toluene	10.239	92	7524	4.40	ug/l		95
53) t-1,3-Dichloropropene	10.459	75	4120	4.00	ug/l		95
54) cis-1,3-Dichloropropene	9.929	75	4875	4.23	ug/l		97
55) 1,1,2-Trichloroethane	10.642	97	2127	4.01	ug/l		96
56) Ethyl methacrylate	10.508	69	2912	3.84	ug/l		98
57) 1,3-Dichloropropane	10.788	76	3918	4.17	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.782	63	7369	21.43	ug/l		98
59) 2-Hexanone	10.831	43	7336	18.38	ug/l		100
60) Dibromochloromethane	10.983	129	2701	4.03	ug/l		100
61) 1,2-Dibromoethane	11.087	107	2072	3.98	ug/l		98
64) Tetrachloroethene	10.715	164	3417	4.11	ug/l		97
65) Chlorobenzene	11.514	112	7668	4.22	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.587	131	2990	4.31	ug/l		97
67) Ethyl Benzene	11.593	91	14218	4.17	ug/l		95
68) m/p-Xylenes	11.696	106	10622	8.45	ug/l		99
69) o-Xylene	12.026	106	4823	4.08	ug/l		100
70) Styrene	12.044	104	7963	3.93	ug/l		98
71) Bromoform	12.203	173	1636	3.69	ug/l	#	93
73) Isopropylbenzene	12.324	105	13031	4.17	ug/l		99
74) N-amyl acetate	12.142	43	3679	3.90	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.580	83	2297	4.04	ug/l		97
76) 1,2,3-Trichloropropane	12.629	75	1853m	4.20	ug/l		
77) Bromobenzene	12.605	156	3438	4.47	ug/l		95
78) n-propylbenzene	12.666	91	15843	4.24	ug/l		98
79) 2-Chlorotoluene	12.751	91	9322	4.39	ug/l		98
80) 1,3,5-Trimethylbenzene	12.812	105	11320	4.25	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.373	75	819	3.44	ug/l		94
82) 4-Chlorotoluene	12.849	91	9744	4.38	ug/l		99
83) tert-Butylbenzene	13.074	119	9427	4.13	ug/l		96
84) 1,2,4-Trimethylbenzene	13.117	105	10890	4.08	ug/l		98
85) sec-Butylbenzene	13.251	105	12841	4.11	ug/l		98
86) p-Isopropyltoluene	13.367	119	11468	3.94	ug/l		97
87) 1,3-Dichlorobenzene	13.361	146	6343	4.33	ug/l		99
88) 1,4-Dichlorobenzene	13.440	146	6302	4.33	ug/l		92
89) n-Butylbenzene	13.690	91	11204	4.14	ug/l		99
90) Hexachloroethane	13.958	117	2185	4.21	ug/l		94
91) 1,2-Dichlorobenzene	13.739	146	5540	4.28	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	416	3.82	ug/l		91
93) 1,2,4-Trichlorobenzene	15.001	180	4057	4.36	ug/l		97
94) Hexachlorobutadiene	15.111	225	2561	4.36	ug/l		95
95) Naphthalene	15.232	128	7023	4.14	ug/l		98
96) 1,2,3-Trichlorobenzene	15.421	180	3399	4.28	ug/l		97

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

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