Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022221\
Data File : VY004041.D
Acq On : 22 Feb 2021 17:45
Operator : SY/MD
Sample : M1458-02 5PPBLOQ
Misc : 5.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2021

Manual Integrations APPROVED
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2/23/2021 1:06:51 PM

Quant Time: Feb 23 04:16:03 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	7.795	168	63296	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.691	114	97864	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.489	117	89387	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	46295	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.142	65	39657	56.15	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.30%				
35) Dibromofluoromethane	7.722	113	30994	52.53	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.06%				
50) Toluene-d8	10.179	98	125950	53.24	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.48%				
62) 4-Bromofluorobenzene	12.477	95	44022	52.67	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.34%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.906	85	3394	5.65	ug/l		100
3) Chloromethane	2.113	50	5570	6.21	ug/l		95
4) Vinyl Chloride	2.253	62	5327	6.12	ug/l		98
5) Bromomethane	2.650	94	3619	6.20	ug/l		92
6) Chloroethane	2.790	64	3124	5.94	ug/l		98
7) Trichlorofluoromethane	3.131	101	5753	5.29	ug/l		91
8) Diethyl Ether	3.527	74	1864	5.35	ug/l		64
9) 1,1,2-Trichlorotrifluo...	3.899	101	3017	5.18	ug/l		96
10) Methyl Iodide	4.094	142	3256	4.45	ug/l		97
11) Tert butyl alcohol	4.960	59	2038m	19.45	ug/l		
12) 1,1-Dichloroethene	3.881	96	3012	5.15	ug/l		92
13) Acrolein	3.735	56	1755	24.98	ug/l		100
14) Allyl chloride	4.485	41	6204	5.60	ug/l		100
15) Acrylonitrile	5.161	53	4887	26.62	ug/l		99
16) Acetone	3.954	43	4186	23.45	ug/l		96
17) Carbon Disulfide	4.198	76	10143	5.37	ug/l		99
18) Methyl Acetate	4.491	43	2432	5.80	ug/l		94
19) Methyl tert-butyl Ether	5.222	73	9130	5.32	ug/l		92
20) Methylene Chloride	4.716	84	7295	10.11	ug/l		96
21) trans-1,2-Dichloroethene	5.228	96	3600	5.48	ug/l		92
22) Diisopropyl ether	6.125	45	11840	5.44	ug/l	#	96
23) Vinyl Acetate	6.064	43	38896	26.38	ug/l		99
24) 1,1-Dichloroethane	6.021	63	6307	5.42	ug/l		97
25) 2-Butanone	6.990	43	6453	25.37	ug/l		95
26) 2,2-Dichloropropane	6.984	77	5452	5.06	ug/l		100
27) cis-1,2-Dichloroethene	6.990	96	3921	5.43	ug/l		99
28) Bromochloromethane	7.338	49	2596	5.05	ug/l	#	99
29) Tetrahydrofuran	7.344	42	4338	26.42	ug/l		97
30) Chloroform	7.502	83	6566	5.56	ug/l		95
31) Cyclohexane	7.789	56	7166	6.05	ug/l	#	88
32) 1,1,1-Trichloroethane	7.704	97	6063	5.59	ug/l		98
36) 1,1-Dichloropropene	7.923	75	4956	5.06	ug/l		98
37) Ethyl Acetate	7.076	43	3064	5.29	ug/l		98
38) Carbon Tetrachloride	7.899	117	5306	5.24	ug/l		95
39) Methylcyclohexane	9.185	83	5929	5.01	ug/l		98
40) Benzene	8.161	78	14420	5.30	ug/l		95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.326	41	1860m	6.07	ug/l		
42) 1,2-Dichloroethane	8.234	62	5044	5.64	ug/l		100
43) Isopropyl Acetate	8.277	43	5414	4.96	ug/l		97
44) Trichloroethene	8.941	130	3994	5.31	ug/l		93
45) 1,2-Dichloropropane	9.215	63	3677	5.51	ug/l		99
46) Dibromomethane	9.307	93	1900	5.09	ug/l		98
47) Bromodichloromethane	9.496	83	5137	5.38	ug/l		98
48) Methyl methacrylate	9.289	41	2790	5.22	ug/l		94
49) 1,4-Dioxane	9.295	88	416	92.48	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.069	43	13648	24.20	ug/l		100
52) Toluene	10.240	92	8927	5.25	ug/l		99
53) t-1,3-Dichloropropene	10.465	75	5339	5.20	ug/l		97
54) cis-1,3-Dichloropropene	9.929	75	5917	5.15	ug/l		95
55) 1,1,2-Trichloroethane	10.642	97	2764	5.23	ug/l		95
56) Ethyl methacrylate	10.508	69	3776	5.00	ug/l		97
57) 1,3-Dichloropropane	10.788	76	4986	5.33	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.782	63	9470	27.65	ug/l		98
59) 2-Hexanone	10.831	43	9569	24.08	ug/l		97
60) Dibromochloromethane	10.983	129	3419	5.12	ug/l		98
61) 1,2-Dibromoethane	11.087	107	2611	5.04	ug/l		100
64) Tetrachloroethene	10.715	164	4349	5.28	ug/l		94
65) Chlorobenzene	11.514	112	9203	5.11	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.587	131	3409	4.96	ug/l		99
67) Ethyl Benzene	11.593	91	16999	5.03	ug/l		99
68) m/p-Xylenes	11.703	106	12858	10.32	ug/l		98
69) o-Xylene	12.026	106	5953	5.08	ug/l		98
70) Styrene	12.044	104	9948	4.95	ug/l		98
71) Bromoform	12.203	173	2175	4.94	ug/l	#	94
73) Isopropylbenzene	12.325	105	16488	5.02	ug/l		100
74) N-amyl acetate	12.142	43	4869	4.90	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.581	83	3121	5.22	ug/l		98
76) 1,2,3-Trichloropropane	12.629	75	2399m	5.16	ug/l		
77) Bromobenzene	12.605	156	4132	5.11	ug/l		98
78) n-propylbenzene	12.666	91	19954	5.07	ug/l		99
79) 2-Chlorotoluene	12.751	91	11550	5.17	ug/l		99
80) 1,3,5-Trimethylbenzene	12.806	105	14155	5.05	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.373	75	1156	4.62	ug/l		90
82) 4-Chlorotoluene	12.849	91	12204	5.21	ug/l		99
83) tert-Butylbenzene	13.075	119	11886	4.95	ug/l		98
84) 1,2,4-Trimethylbenzene	13.117	105	13953	4.97	ug/l		100
85) sec-Butylbenzene	13.251	105	16787	5.10	ug/l		99
86) p-Isopropyltoluene	13.367	119	14883	4.86	ug/l		99
87) 1,3-Dichlorobenzene	13.361	146	7992	5.19	ug/l		98
88) 1,4-Dichlorobenzene	13.440	146	8162	5.33	ug/l		95
89) n-Butylbenzene	13.696	91	13768	4.84	ug/l		99
90) Hexachloroethane	13.959	117	2778	5.09	ug/l		99
91) 1,2-Dichlorobenzene	13.733	146	6908	5.07	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	634	5.53	ug/l		92
93) 1,2,4-Trichlorobenzene	15.001	180	4808	4.91	ug/l		95
94) Hexachlorobutadiene	15.111	225	3179	5.14	ug/l		95
95) Naphthalene	15.233	128	8646	4.84	ug/l		98
96) 1,2,3-Trichlorobenzene	15.422	180	4377	5.24	ug/l		97

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

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