Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051221\
Data File : VY004752.D
Acq On : 12 May 2021 12:44
Operator : SY/MD
Sample : M2262-03 4PPBMDL
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2021

Manual Integrations APPROVED
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5/13/2021 4:08:26 PM

Quant Time: May 13 01:16:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260
QLast Update : Thu May 13 01:15:20 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.801	168	183162	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.704	114	293598	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.496	117	266143	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122735	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.155	65	109146	50.06	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.12%				
35) Dibromofluoromethane	7.728	113	90656	56.40	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.80%				
50) Toluene-d8	10.185	98	365671	50.36	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.72%				
62) 4-Bromofluorobenzene	12.483	95	116947	47.72	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.44%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.912	85	6357	3.79	ug/l		98
3) Chloromethane	2.119	50	10239	3.77	ug/l		94
4) Vinyl Chloride	2.260	62	10610	3.81	ug/l		96
5) Bromomethane	2.662	94	6037	4.26	ug/l		85
6) Chloroethane	2.808	64	6417	3.91	ug/l	#	87
7) Trichlorofluoromethane	3.137	101	13377	4.05	ug/l		90
8) Diethyl Ether	3.540	74	4672	4.00	ug/l		94
9) 1,1,2-Trichlorotrifluo...	3.912	101	7795	4.16	ug/l		97
10) Methyl Iodide	4.101	142	9033	4.51	ug/l		98
11) Tert butyl alcohol	4.979	59	5647	25.77	ug/l	#	91
12) 1,1-Dichloroethene	3.893	96	6957	3.84	ug/l		97
13) Acrolein	3.747	56	4708	18.28	ug/l		98
14) Allyl chloride	4.491	41	13572	3.84	ug/l		96
15) Acrylonitrile	5.186	53	11087	18.96	ug/l		98
16) Acetone	3.960	43	10696	21.84	ug/l		92
17) Carbon Disulfide	4.210	76	23464	4.24	ug/l		96
18) Methyl Acetate	4.497	43	6925	4.43	ug/l		99
19) Methyl tert-butyl Ether	5.241	73	18860	3.79	ug/l		97
20) Methylene Chloride	4.735	84	26915	8.58	ug/l		94
21) trans-1,2-Dichloroethene	5.235	96	8404	4.09	ug/l		98
22) Diisopropyl ether	6.137	45	25663	3.77	ug/l		94
23) Vinyl Acetate	6.082	43	88944	17.40	ug/l		96
24) 1,1-Dichloroethane	6.033	63	15038	3.93	ug/l		98
25) 2-Butanone	7.009	43	15639	17.98	ug/l		98
26) 2,2-Dichloropropane	7.003	77	12728	3.81	ug/l		99
27) cis-1,2-Dichloroethene	7.003	96	8720	3.82	ug/l		95
28) Bromochloromethane	7.344	49	7736	4.14	ug/l		98
29) Tetrahydrofuran	7.374	42	10196	18.37	ug/l		98
30) Chloroform	7.527	83	15215	4.03	ug/l		92
31) Cyclohexane	7.801	56	16741	4.74	ug/l	#	76
32) 1,1,1-Trichloroethane	7.716	97	13429	3.97	ug/l		96
36) 1,1-Dichloropropene	7.929	75	12169	4.04	ug/l		99
37) Ethyl Acetate	7.088	43	9075	4.40	ug/l	#	97
38) Carbon Tetrachloride	7.917	117	9944	3.68	ug/l		88
39) Methylcyclohexane	9.191	83	12776	3.89	ug/l		94
40) Benzene	8.173	78	34244	4.03	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.326	41	3962	3.52	ug/l	#	100
42) 1,2-Dichloroethane	8.246	62	10751	4.00	ug/l		100
43) Isopropyl Acetate	8.283	43	14470	3.78	ug/l		99
44) Trichloroethene	8.947	130	9296	4.07	ug/l		93
45) 1,2-Dichloropropane	9.228	63	8930	4.01	ug/l		89
46) Dibromomethane	9.313	93	4851	3.92	ug/l		96
47) Bromodichloromethane	9.508	83	11360	3.87	ug/l		94
48) Methyl methacrylate	9.301	41	6154	3.53	ug/l		97
49) 1,4-Dioxane	9.307	88	975	66.91	ug/l	#	84
51) 4-Methyl-2-Pentanone	10.081	43	37714	18.31	ug/l		99
52) Toluene	10.252	92	21458	4.00	ug/l		100
53) t-1,3-Dichloropropene	10.471	75	12726	3.91	ug/l		98
54) cis-1,3-Dichloropropene	9.935	75	14032	3.88	ug/l		95
55) 1,1,2-Trichloroethane	10.654	97	6863	4.03	ug/l		96
56) Ethyl methacrylate	10.514	69	8399	3.41	ug/l		97
57) 1,3-Dichloropropane	10.795	76	11578	3.82	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.789	63	21720	17.08	ug/l		98
59) 2-Hexanone	10.837	43	24344	17.44	ug/l		98
60) Dibromochloromethane	10.996	129	7571	3.74	ug/l		96
61) 1,2-Dibromoethane	11.093	107	6189	3.77	ug/l		98
64) Tetrachloroethene	10.728	164	9672	4.02	ug/l		93
65) Chlorobenzene	11.520	112	22391	4.09	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.593	131	7548	3.79	ug/l		94
67) Ethyl Benzene	11.599	91	38815	3.81	ug/l		98
68) m/p-Xylenes	11.709	106	28383	7.42	ug/l		96
69) o-Xylene	12.038	106	13060	3.65	ug/l		99
70) Styrene	12.050	104	21379	3.57	ug/l		100
71) Bromoform	12.215	173	4561	3.78	ug/l	#	98
73) Isopropylbenzene	12.331	105	36163	3.91	ug/l		100
74) N-amyl acetate	12.148	43	11591	3.54	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.587	83	7373	3.99	ug/l		96
76) 1,2,3-Trichloropropane	12.642	75	5994m	4.60	ug/l		
77) Bromobenzene	12.611	156	8462	4.05	ug/l		100
78) n-propylbenzene	12.678	91	45404	4.02	ug/l		98
79) 2-Chlorotoluene	12.764	91	25276	4.08	ug/l		98
80) 1,3,5-Trimethylbenzene	12.819	105	29955	3.90	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.386	75	2890	3.84	ug/l		96
82) 4-Chlorotoluene	12.861	91	25761	4.00	ug/l		99
83) tert-Butylbenzene	13.081	119	25562	3.89	ug/l		99
84) 1,2,4-Trimethylbenzene	13.123	105	28938	3.76	ug/l		99
85) sec-Butylbenzene	13.258	105	37612	3.94	ug/l		98
86) p-Isopropyltoluene	13.373	119	31967	3.86	ug/l		99
87) 1,3-Dichlorobenzene	13.373	146	16557	4.04	ug/l		100
88) 1,4-Dichlorobenzene	13.453	146	17534	4.34	ug/l		96
89) n-Butylbenzene	13.703	91	31103	3.85	ug/l		100
90) Hexachloroethane	13.965	117	4967	4.26	ug/l		96
91) 1,2-Dichlorobenzene	13.745	146	14847	4.10	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1582	4.58	ug/l		83
93) 1,2,4-Trichlorobenzene	15.013	180	9431	4.05	ug/l		97
94) Hexachlorobutadiene	15.111	225	5424	4.30	ug/l		100
95) Naphthalene	15.239	128	18898	3.75	ug/l		99
96) 1,2,3-Trichlorobenzene	15.428	180	8445	4.09	ug/l		95

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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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