Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051221\
Data File : VY004751.D
Acq On : 12 May 2021 12:21
Operator : SY/MD
Sample : M2262-03 2.5PPBMDL
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations APPROVED
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5/13/2021 4:08:23 PM

Quant Time: May 13 01:15:30 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	187058	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.697	114	303329	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.495	117	272443	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126814	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.154	65	114722	51.52	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.04%				
35) Dibromofluoromethane	7.728	113	93117	56.08	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.16%				
50) Toluene-d8	10.185	98	378484	50.45	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.90%				
62) 4-Bromofluorobenzene	12.483	95	121390	47.95	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.912	85	4332	2.53	ug/l		93
3) Chloromethane	2.119	50	7254	2.61	ug/l		94
4) Vinyl Chloride	2.259	62	8347	2.94	ug/l		100
5) Bromomethane	2.662	94	4268	2.95	ug/l		95
6) Chloroethane	2.802	64	4080	2.43	ug/l		98
7) Trichlorofluoromethane	3.137	101	8793	2.61	ug/l		99
8) Diethyl Ether	3.539	74	3202	2.69	ug/l		97
9) 1,1,2-Trichlorotrifluo...	3.905	101	5220	2.73	ug/l		96
10) Methyl Iodide	4.106	142	5900	2.88	ug/l		99
11) Tert butyl alcohol	4.966	59	4184	18.70	ug/l	#	79
12) 1,1-Dichloroethene	3.887	96	4898	2.65	ug/l		95
13) Acrolein	3.741	56	3211	12.21	ug/l		97
14) Allyl chloride	4.497	41	9092	2.52	ug/l		97
15) Acrylonitrile	5.192	53	7832m	13.11	ug/l		
16) Acetone	3.960	43	7669	15.33	ug/l		96
17) Carbon Disulfide	4.210	76	15107	2.68	ug/l		98
18) Methyl Acetate	4.490	43	5004	3.14	ug/l		99
19) Methyl tert-butyl Ether	5.246	73	12120	2.38	ug/l		95
20) Methylene Chloride	4.734	84	22659	7.07	ug/l		95
21) trans-1,2-Dichloroethene	5.234	96	5353	2.55	ug/l		97
22) Diisopropyl ether	6.137	45	16555	2.38	ug/l	#	98
23) Vinyl Acetate	6.076	43	57411	11.00	ug/l		95
24) 1,1-Dichloroethane	6.033	63	9836	2.52	ug/l	#	93
25) 2-Butanone	7.002	43	10416	11.72	ug/l		100
26) 2,2-Dichloropropane	6.996	77	8766	2.57	ug/l		99
27) cis-1,2-Dichloroethene	6.996	96	5881	2.52	ug/l		98
28) Bromochloromethane	7.350	49	5009	2.62	ug/l	#	99
29) Tetrahydrofuran	7.368	42	7204	12.71	ug/l		97
30) Chloroform	7.514	83	9858	2.56	ug/l		95
31) Cyclohexane	7.795	56	12111	3.36	ug/l	#	70
32) 1,1,1-Trichloroethane	7.716	97	8966	2.60	ug/l		99
36) 1,1-Dichloropropene	7.929	75	8032	2.58	ug/l		94
37) Ethyl Acetate	7.088	43	6577	3.09	ug/l		97
38) Carbon Tetrachloride	7.911	117	5984	2.14	ug/l		91
39) Methylcyclohexane	9.191	83	8408	2.48	ug/l		93
40) Benzene	8.173	78	22340	2.54	ug/l		95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.319	41	2768	2.38	ug/l	#	100
42) 1,2-Dichloroethane	8.246	62	7163	2.58	ug/l		100
43) Isopropyl Acetate	8.282	43	9749	2.47	ug/l	#	90
44) Trichloroethene	8.947	130	5901	2.50	ug/l		90
45) 1,2-Dichloropropane	9.221	63	5612	2.44	ug/l		93
46) Dibromomethane	9.313	93	3155	2.47	ug/l		97
47) Bromodichloromethane	9.502	83	7563	2.49	ug/l		99
48) Methyl methacrylate	9.301	41	4239	2.36	ug/l		99
49) 1,4-Dioxane	9.313	88	535	35.54	ug/l	#	88
51) 4-Methyl-2-Pentanone	10.075	43	25816	12.13	ug/l		98
52) Toluene	10.252	92	14001	2.52	ug/l		100
53) t-1,3-Dichloropropene	10.471	75	8531	2.54	ug/l		100
54) cis-1,3-Dichloropropene	9.935	75	8880	2.38	ug/l		96
55) 1,1,2-Trichloroethane	10.648	97	4365	2.48	ug/l	#	84
56) Ethyl methacrylate	10.514	69	5478	2.15	ug/l		95
57) 1,3-Dichloropropane	10.794	76	7898	2.52	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.794	63	13630	10.38	ug/l		96
59) 2-Hexanone	10.837	43	15996	11.09	ug/l		94
60) Dibromochloromethane	10.989	129	4973	2.38	ug/l		98
61) 1,2-Dibromoethane	11.093	107	4014	2.37	ug/l		93
64) Tetrachloroethene	10.727	164	6212	2.52	ug/l		95
65) Chlorobenzene	11.526	112	15041	2.68	ug/l		89
66) 1,1,1,2-Tetrachloroethane	11.593	131	4830	2.37	ug/l		92
67) Ethyl Benzene	11.599	91	25434	2.44	ug/l		98
68) m/p-Xylenes	11.703	106	18435	4.71	ug/l		100
69) o-Xylene	12.032	106	8757	2.39	ug/l		99
70) Styrene	12.050	104	14504	2.36	ug/l		95
71) Bromoform	12.209	173	2821	2.28	ug/l	#	95
73) Isopropylbenzene	12.337	105	23783	2.49	ug/l		99
74) N-amyl acetate	12.148	43	7415	2.19	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.587	83	5032	2.64	ug/l		99
76) 1,2,3-Trichloropropane	12.635	75	3913m	2.91	ug/l		
77) Bromobenzene	12.611	156	5607	2.60	ug/l		98
78) n-propylbenzene	12.672	91	29766	2.55	ug/l		98
79) 2-Chlorotoluene	12.763	91	16677	2.60	ug/l		100
80) 1,3,5-Trimethylbenzene	12.818	105	19469	2.45	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.379	75	2107	2.71	ug/l		91
82) 4-Chlorotoluene	12.855	91	17092	2.57	ug/l		96
83) tert-Butylbenzene	13.080	119	17223	2.54	ug/l		99
84) 1,2,4-Trimethylbenzene	13.123	105	18345	2.31	ug/l		100
85) sec-Butylbenzene	13.257	105	25100	2.55	ug/l		100
86) p-Isopropyltoluene	13.373	119	20685	2.42	ug/l		97
87) 1,3-Dichlorobenzene	13.373	146	11762	2.78	ug/l		99
88) 1,4-Dichlorobenzene	13.452	146	12040	2.88	ug/l		89
89) n-Butylbenzene	13.702	91	21055	2.52	ug/l		100
90) Hexachloroethane	13.964	117	3003	2.49	ug/l		98
91) 1,2-Dichlorobenzene	13.745	146	10225	2.74	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1331	3.73	ug/l		71
93) 1,2,4-Trichlorobenzene	15.013	180	6794	2.82	ug/l		99
94) Hexachlorobutadiene	15.117	225	3945	3.02	ug/l		96
95) Naphthalene	15.239	128	13940	2.68	ug/l		98
96) 1,2,3-Trichlorobenzene	15.428	180	6482	3.04	ug/l		93

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

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