Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080221\
Data File : VY005524.D
Acq On : 02 Aug 2021 16:19
Operator : SY/MD
Sample : M2940-03 4PPBMDL
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2021

Manual Integrations APPROVED
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8/3/2021 4:50:47 PM

Quant Time: Aug 03 07:01:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 03 07:00:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	282096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	429107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	390059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	198387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	152223	53.308	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.620%			
35) Dibromofluoromethane	7.728	113	120094	49.988	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.980%			
50) Toluene-d8	10.185	98	495723	49.199	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.400%			
62) 4-Bromofluorobenzene	12.483	95	165159	49.499	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	10812	4.667	ug/l	99
3) Chloromethane	2.119	50	12187	4.403	ug/l	94
4) Vinyl Chloride	2.259	62	13906	4.195	ug/l	97
5) Bromomethane	2.656	94	10546	4.833	ug/l	90
6) Chloroethane	2.802	64	9023	4.509	ug/l	95
7) Trichlorofluoromethane	3.131	101	19618	4.420	ug/l	97
8) Diethyl Ether	3.534	74	7027	4.533	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.912	101	10348	4.298	ug/l	99
10) Methyl Iodide	4.101	142	12266	4.090	ug/l	98
11) Tert butyl alcohol	4.966	59	9959	35.280	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	10491	4.315	ug/l	99
13) Acrolein	3.735	56	3434	20.163	ug/l	99
14) Allyl chloride	4.491	41	19159	4.499	ug/l	97
15) Acrylonitrile	5.180	53	17777	22.376	ug/l	98
16) Acetone	3.960	43	14868	20.652	ug/l	96
17) Carbon Disulfide	4.204	76	32645	4.356	ug/l	99
18) Methyl Acetate	4.485	43	10472	5.562	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	33131	4.399	ug/l	92
20) Methylene Chloride	4.729	84	39014	10.790	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	11714	4.310	ug/l	98
22) Diisopropyl ether	6.125	45	38229	4.352	ug/l #	90
23) Vinyl Acetate	6.070	43	120180	20.558	ug/l	98
24) 1,1-Dichloroethane	6.027	63	21225	4.360	ug/l	99
25) 2-Butanone	6.996	43	22699	21.329	ug/l	99
26) 2,2-Dichloropropane	6.984	77	18039	4.056	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	13865	4.485	ug/l	98
28) Bromochloromethane	7.344	49	9127	4.697	ug/l	96
29) Tetrahydrofuran	7.356	42	15749	22.374	ug/l	99
30) Chloroform	7.509	83	22735	4.576	ug/l	96
31) Cyclohexane	7.789	56	24653	5.033	ug/l #	83
32) 1,1,1-Trichloroethane	7.704	97	19847	4.345	ug/l	99
36) 1,1-Dichloropropene	7.923	75	16111	4.003	ug/l	99
37) Ethyl Acetate	7.082	43	11009	4.515	ug/l	97
38) Carbon Tetrachloride	7.911	117	17539	4.010	ug/l	95
39) Methylcyclohexane	9.185	83	20600	4.023	ug/l	96
40) Benzene	8.167	78	48185	4.181	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.320	41	6777m	5.123	ug/l		
42) 1,2-Dichloroethane	8.240	62	16662	4.457	ug/l		97
43) Isopropyl Acetate	8.283	43	19625	4.251	ug/l		98
44) Trichloroethene	8.941	130	13042	4.146	ug/l		96
45) 1,2-Dichloropropane	9.222	63	12362	4.287	ug/l		91
46) Dibromomethane	9.313	93	6697	4.201	ug/l		98
47) Bromodichloromethane	9.502	83	16935	4.244	ug/l		97
48) Methyl methacrylate	9.301	41	8532	4.090	ug/l		96
49) 1,4-Dioxane	9.301	88	1762	79.522	ug/l		95
51) 4-Methyl-2-Pentanone	10.075	43	52260	21.497	ug/l		96
52) Toluene	10.246	92	30402	4.137	ug/l		100
53) t-1,3-Dichloropropene	10.471	75	18268	4.097	ug/l		95
54) cis-1,3-Dichloropropene	9.935	75	20207	4.176	ug/l		93
55) 1,1,2-Trichloroethane	10.648	97	9502	4.119	ug/l		98
56) Ethyl methacrylate	10.514	69	13792	3.993	ug/l		96
57) 1,3-Dichloropropane	10.795	76	17376	4.272	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.789	63	32388	19.624	ug/l		99
59) 2-Hexanone	10.837	43	35643	20.744	ug/l		98
60) Dibromochloromethane	10.990	129	11616	4.069	ug/l		98
61) 1,2-Dibromoethane	11.093	107	9250	4.233	ug/l		97
64) Tetrachloroethene	10.721	164	12551	4.227	ug/l		95
65) Chlorobenzene	11.520	112	31854	4.058	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.593	131	12381	4.191	ug/l		98
67) Ethyl Benzene	11.593	91	57104	4.012	ug/l		98
68) m/p-Xylenes	11.703	106	44820	8.107	ug/l		99
69) o-Xylene	12.032	106	21168	3.984	ug/l		99
70) Styrene	12.044	104	34866	3.898	ug/l		99
71) Bromoform	12.209	173	8022	4.187	ug/l	#	99
73) Isopropylbenzene	12.331	105	55375	3.999	ug/l		99
74) N-amyl acetate	12.148	43	17125	4.108	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.581	83	11111	4.172	ug/l		99
76) 1,2,3-Trichloropropane	12.642	75	10214m	4.968	ug/l		
77) Bromobenzene	12.611	156	14362	4.221	ug/l		97
78) n-propylbenzene	12.672	91	67767	4.120	ug/l		98
79) 2-Chlorotoluene	12.758	91	37996	4.114	ug/l		99
80) 1,3,5-Trimethylbenzene	12.812	105	47027	4.092	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.380	75	4302	4.218	ug/l		93
82) 4-Chlorotoluene	12.855	91	39919	4.177	ug/l		100
83) tert-Butylbenzene	13.081	119	41736	4.047	ug/l		100
84) 1,2,4-Trimethylbenzene	13.123	105	46031	4.059	ug/l		99
85) sec-Butylbenzene	13.257	105	60028	4.036	ug/l		100
86) p-Isopropyltoluene	13.373	119	50717	3.971	ug/l		100
87) 1,3-Dichlorobenzene	13.367	146	27216	4.100	ug/l		99
88) 1,4-Dichlorobenzene	13.446	146	27468	4.171	ug/l		92
89) n-Butylbenzene	13.696	91	46951	4.058	ug/l		98
90) Hexachloroethane	13.965	117	9600	4.181	ug/l		95
91) 1,2-Dichlorobenzene	13.739	146	24494	4.177	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2007	3.975	ug/l		91
93) 1,2,4-Trichlorobenzene	15.007	180	16987	4.217	ug/l		100
94) Hexachlorobutadiene	15.117	225	11420	4.379	ug/l		98
95) Naphthalene	15.239	128	33024	4.159	ug/l		99
96) 1,2,3-Trichlorobenzene	15.428	180	15627	4.379	ug/l		99

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

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