Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010822\
Data File : VY007071.D
Acq On : 08 Jan 2022 11:38
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 10 02:59:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
Quant Title : SW846 8260
QLast Update : Mon Jan 10 02:57:38 2022
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/10/2022
Supervised By :Mahesh Dadoda 01/10/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	156474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	263233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	233060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	38403	21.418	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 42.840%#			
35) Dibromofluoromethane	7.722	113	36131	21.449	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 42.900%#			
50) Toluene-d8	10.185	98	134911	21.585	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 43.160%#			
62) 4-Bromofluorobenzene	12.483	95	48880	20.908	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 41.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.918	85	9392	18.015	ug/l	80
3) Chloromethane	2.119	50	21102	17.636	ug/l	94
4) Vinyl Chloride	2.265	62	32159	21.531	ug/l	98
5) Bromomethane	2.662	94	20329	20.153	ug/l	96
6) Chloroethane	2.802	64	19332	20.884	ug/l	100
7) Trichlorofluoromethane	3.131	101	38252	20.746	ug/l	94
8) Diethyl Ether	3.534	74	19724	19.654	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	33578	18.830	ug/l	99
10) Methyl Iodide	4.094	142	51789	18.624	ug/l	100
11) Tert butyl alcohol	4.966	59	15443	95.780	ug/l #	91
12) 1,1-Dichloroethene	3.881	96	35053	18.926	ug/l	93
13) Acrolein	3.735	56	5502	111.307	ug/l	96
14) Allyl chloride	4.491	41	52782	18.750	ug/l	99
15) Acrylonitrile	5.173	53	45930	94.217	ug/l	100
16) Acetone	3.948	43	34138	87.073	ug/l	98
17) Carbon Disulfide	4.198	76	98552	18.197	ug/l	96
18) Methyl Acetate	4.485	43	34132	20.397	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	71180	20.309	ug/l	97
20) Methylene Chloride	4.716	84	39852	11.245	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	37661	19.161	ug/l	99
22) Diisopropyl ether	6.124	45	109750	19.812	ug/l	99
23) Vinyl Acetate	6.064	43	313333	93.280	ug/l	100
24) 1,1-Dichloroethane	6.027	63	66597	19.601	ug/l	98
25) 2-Butanone	6.996	43	55292	97.346	ug/l	99
26) 2,2-Dichloropropane	6.984	77	50936	19.579	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	42765	19.415	ug/l	100
28) Bromochloromethane	7.338	49	22255	18.028	ug/l	99
29) Tetrahydrofuran	7.356	42	39445	94.532	ug/l	99
30) Chloroform	7.514	83	69682	19.621	ug/l	100
31) Cyclohexane	7.789	56	62501	18.593	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	60071	19.055	ug/l	99
36) 1,1-Dichloropropene	7.923	75	55079	19.503	ug/l	100
37) Ethyl Acetate	7.082	43	26704	18.722	ug/l	99
38) Carbon Tetrachloride	7.905	117	56685	19.225	ug/l	98
39) Methylcyclohexane	9.191	83	68157	18.555	ug/l	97
40) Benzene	8.167	78	146799	19.179	ug/l	100

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41) Methacrylonitrile	7.319	41	13754m	17.454	ug/l		
42) 1,2-Dichloroethane	8.246	62	45138	19.377	ug/l		99
43) Isopropyl Acetate	8.277	43	52195	18.933	ug/l		99
44) Trichloroethene	8.947	130	40396	18.940	ug/l		98
45) 1,2-Dichloropropane	9.222	63	36330	19.463	ug/l		94
46) Dibromomethane	9.313	93	21711	19.228	ug/l		99
47) Bromodichloromethane	9.502	83	53658	19.455	ug/l		98
48) Methyl methacrylate	9.295	41	23502	18.162	ug/l		97
49) 1,4-Dioxane	9.307	88	4619	405.637	ug/l	#	84
51) 4-Methyl-2-Pentanone	10.075	43	132599	97.200	ug/l		100
52) Toluene	10.252	92	93630	19.066	ug/l		100
53) t-1,3-Dichloropropene	10.471	75	57167	19.295	ug/l		98
54) cis-1,3-Dichloropropene	9.935	75	64093	19.424	ug/l		98
55) 1,1,2-Trichloroethane	10.648	97	29690	19.161	ug/l		96
56) Ethyl methacrylate	10.514	69	42710	19.291	ug/l		99
57) 1,3-Dichloropropane	10.794	76	52844	19.895	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.788	63	98906	101.313	ug/l		100
59) 2-Hexanone	10.837	43	88099	99.137	ug/l		100
60) Dibromochloromethane	10.989	129	36979	19.449	ug/l		99
61) 1,2-Dibromoethane	11.093	107	29959	19.311	ug/l		100
64) Tetrachloroethene	10.721	164	32952	19.112	ug/l		96
65) Chlorobenzene	11.520	112	99159	19.189	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.593	131	36781	19.785	ug/l		99
67) Ethyl Benzene	11.599	91	185994	19.408	ug/l		99
68) m/p-Xylenes	11.709	106	138767	38.176	ug/l		100
69) o-Xylene	12.032	106	65412	19.166	ug/l		100
70) Styrene	12.050	104	109559	18.907	ug/l		99
71) Bromoform	12.209	173	21305	19.204	ug/l	#	98
73) Isopropylbenzene	12.331	105	175274	19.215	ug/l		100
74) N-amyl acetate	12.148	43	45338	19.187	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.587	83	33975	19.611	ug/l		100
76) 1,2,3-Trichloropropane	12.636	75	23601m	18.503	ug/l		
77) Bromobenzene	12.611	156	37270	18.798	ug/l		96
78) n-propylbenzene	12.672	91	214288	19.284	ug/l		100
79) 2-Chlorotoluene	12.757	91	122400	19.361	ug/l		100
80) 1,3,5-Trimethylbenzene	12.818	105	145013	19.238	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.379	75	13278	19.030	ug/l	#	91
82) 4-Chlorotoluene	12.855	91	124965	18.992	ug/l		99
83) tert-Butylbenzene	13.081	119	127141	19.132	ug/l		99
84) 1,2,4-Trimethylbenzene	13.123	105	141305	19.052	ug/l		99
85) sec-Butylbenzene	13.257	105	183996	19.015	ug/l		100
86) p-Isopropyltoluene	13.373	119	149416	18.793	ug/l		99
87) 1,3-Dichlorobenzene	13.367	146	73567	19.076	ug/l		100
88) 1,4-Dichlorobenzene	13.446	146	73672	19.153	ug/l		99
89) n-Butylbenzene	13.702	91	146115	19.012	ug/l		100
90) Hexachloroethane	13.965	117	29269	18.492	ug/l		98
91) 1,2-Dichlorobenzene	13.739	146	64791	19.027	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5315	16.524	ug/l		95
93) 1,2,4-Trichlorobenzene	15.007	180	37446	18.130	ug/l		99
94) Hexachlorobutadiene	15.117	225	19674	18.286	ug/l		96
95) Naphthalene	15.239	128	78540	17.248	ug/l		100
96) 1,2,3-Trichlorobenzene	15.428	180	30914	17.394	ug/l		97

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

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