Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
Data File : VY016694.D
Acq On : 19 Dec 2023 12:49
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 05:30:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 20 05:26:40 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/20/2023
Supervised By :Semsettin Yesilyurt 12/20/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	210199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	293360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	253536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	120743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	247310	142.244	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 284.480%#			
35) Dibromofluoromethane	7.728	113	264853	153.291	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 306.580%#			
50) Toluene-d8	10.191	98	1017611	162.627	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 325.260%#			
62) 4-Bromofluorobenzene	12.489	95	279126	156.887	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 313.780%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	209700	150.617	ug/l	98
3) Chloromethane	2.119	50	362948	148.342	ug/l	100
4) Vinyl Chloride	2.259	62	527635	129.970	ug/l	98
5) Bromomethane	2.650	94	524759	148.978	ug/l	100
6) Chloroethane	2.796	64	403920	132.927	ug/l	98
7) Trichlorofluoromethane	3.131	101	482954	135.728	ug/l	98
8) Diethyl Ether	3.540	74	129746	136.218	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.911	101	265394	137.474	ug/l	97
10) Methyl Iodide	4.100	142	317838	144.977	ug/l	98
11) Tert butyl alcohol	4.966	59	74488	753.540	ug/l #	86
12) 1,1-Dichloroethene	3.881	96	246902	141.012	ug/l	99
13) Acrolein	3.741	56	66523	752.735	ug/l	98
14) Allyl chloride	4.491	41	315778	144.437	ug/l	88
15) Acrylonitrile	5.173	53	256254	671.996	ug/l	98
16) Acetone	3.954	43	230664	743.884	ug/l	95
17) Carbon Disulfide	4.204	76	668795	142.723	ug/l	100
18) Methyl Acetate	4.491	43	212555	141.094	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	613392	145.021	ug/l	98
20) Methylene Chloride	4.728	84	260612	147.495	ug/l	96
21) trans-1,2-Dichloroethene	5.234	96	280953	141.879	ug/l	99
22) Diisopropyl ether	6.131	45	720561	143.997	ug/l	97
23) Vinyl Acetate	6.070	43	1768395	722.709	ug/l	99
24) 1,1-Dichloroethane	6.027	63	476060	138.147	ug/l	98
25) 2-Butanone	6.996	43	333076	749.664	ug/l	96
26) 2,2-Dichloropropane	6.996	77	454753	145.310	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	325367	145.371	ug/l	96
28) Bromochloromethane	7.344	49	188348	150.516	ug/l	94
29) Tetrahydrofuran	7.356	42	197842	702.846	ug/l	98
30) Chloroform	7.515	83	504217	136.378	ug/l	98
31) Cyclohexane	7.795	56	392199	137.820	ug/l	98
32) 1,1,1-Trichloroethane	7.716	97	469308	142.954	ug/l	98
36) 1,1-Dichloropropene	7.929	75	399252	152.763	ug/l	98
37) Ethyl Acetate	7.082	43	141646	141.505	ug/l	95
38) Carbon Tetrachloride	7.911	117	426260	151.158	ug/l	97
39) Methylcyclohexane	9.191	83	499194	165.897	ug/l	98
40) Benzene	8.173	78	1123752	149.654	ug/l	99

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.313	41	76744	144.358 ug/l		95
42) 1,2-Dichloroethane	8.246	62	299867	141.125 ug/l		96
43) Isopropyl Acetate	8.283	43	283587	147.504 ug/l		96
44) Trichloroethene	8.947	130	310994	150.497 ug/l		100
45) 1,2-Dichloropropane	9.228	63	263693	146.922 ug/l		100
46) Dibromomethane	9.313	93	146401	144.449 ug/l		99
47) Bromodichloromethane	9.508	83	384675	145.363 ug/l		99
48) Methyl methacrylate	9.301	41	164419	157.622 ug/l	#	88
49) 1,4-Dioxane	9.313	88	30213	3237.727 ug/l	#	83
51) 4-Methyl-2-Pentanone	10.075	43	756843	766.982 ug/l		97
52) Toluene	10.252	92	723432	157.460 ug/l		96
53) t-1,3-Dichloropropene	10.471	75	365453	154.234 ug/l		99
54) cis-1,3-Dichloropropene	9.935	75	431126	153.557 ug/l	#	92
55) 1,1,2-Trichloroethane	10.654	97	199558	142.537 ug/l		98
56) Ethyl methacrylate	10.520	69	185818	163.100 ug/l	#	91
57) 1,3-Dichloropropane	10.801	76	335017	145.018 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.788	63	634117	762.732 ug/l		97
59) 2-Hexanone	10.837	43	522120	726.240 ug/l		96
60) Dibromochloromethane	10.996	129	254198	149.539 ug/l		99
61) 1,2-Dibromoethane	11.099	107	183913	145.855 ug/l		99
64) Tetrachloroethene	10.727	164	271229	155.091 ug/l		95
65) Chlorobenzene	11.526	112	755672	150.504 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.599	131	304087	156.330 ug/l		98
67) Ethyl Benzene	11.599	91	1475099	164.451 ug/l		98
68) m/p-Xylenes	11.709	106	1139111	335.022 ug/l		99
69) o-Xylene	12.038	106	512243	164.916 ug/l		100
70) Styrene	12.050	104	752735	167.835 ug/l		99
71) Bromoform	12.215	173	146563	145.475 ug/l	#	98
73) Isopropylbenzene	12.337	105	1351508	161.886 ug/l		99
74) N-amyl acetate	12.154	43	237587	157.276 ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.593	83	219412	141.245 ug/l		100
76) 1,2,3-Trichloropropane	12.642	75	132137m	125.897 ug/l		
77) Bromobenzene	12.617	156	309594	153.800 ug/l		96
78) n-propylbenzene	12.678	91	1577599	159.394 ug/l		99
79) 2-Chlorotoluene	12.764	91	813806	153.502 ug/l		98
80) 1,3,5-Trimethylbenzene	12.818	105	1051400	160.714 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.386	75	69663	152.286 ug/l		90
82) 4-Chlorotoluene	12.861	91	841054	153.417 ug/l		97
83) tert-Butylbenzene	13.081	119	927825	157.613 ug/l		99
84) 1,2,4-Trimethylbenzene	13.129	105	1085772	165.575 ug/l		98
85) sec-Butylbenzene	13.263	105	1345212	158.459 ug/l		99
86) p-Isopropyltoluene	13.379	119	1276803	172.030 ug/l		99
87) 1,3-Dichlorobenzene	13.373	146	646590	162.322 ug/l		98
88) 1,4-Dichlorobenzene	13.452	146	567520	148.715 ug/l		99
89) n-Butylbenzene	13.702	91	1094108	161.261 ug/l		99
90) Hexachloroethane	13.971	117	223926	151.388 ug/l		100
91) 1,2-Dichlorobenzene	13.745	146	492568	150.515 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	26892	132.033 ug/l		99
93) 1,2,4-Trichlorobenzene	15.019	180	300813	153.776 ug/l		98
94) Hexachlorobutadiene	15.123	225	183528	148.441 ug/l		99
95) Naphthalene	15.245	128	499254	159.437 ug/l		99
96) 1,2,3-Trichlorobenzene	15.434	180	252455	152.583 ug/l		98

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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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