Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060923\
Data File : VY014091.D
Acq On : 09 Jun 2023 11:52
Operator : KP/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 09 12:04:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 09 11:49:53 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Krupa Patel 06/12/2023
Supervised By :Mahesh Dadoda 06/12/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.783	168	208542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	325872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	303589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	156810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	61447	22.258	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	44.520%#		
35) Dibromofluoromethane	7.716	113	48310	23.327	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	46.660%#		
50) Toluene-d8	10.179	98	183657	23.249	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	46.500%#		
62) 4-Bromofluorobenzene	12.477	95	61639	22.888	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	45.780%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	35052	19.103	ug/l	97
3) Chloromethane	2.113	50	40474	15.926	ug/l	98
4) Vinyl Chloride	2.253	62	43232	18.363	ug/l	90
5) Bromomethane	2.650	94	37905	18.490	ug/l	97
6) Chloroethane	2.790	64	31869	18.914	ug/l	96
7) Trichlorofluoromethane	3.125	101	78164	21.002	ug/l	100
8) Diethyl Ether	3.527	74	27237	18.667	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	42365	22.158	ug/l	99
10) Methyl Iodide	4.094	142	44230	16.786	ug/l	96
11) Tert butyl alcohol	4.930	59	63102m	111.220	ug/l	
12) 1,1-Dichloroethene	3.875	96	38882	19.396	ug/l	94
13) Acrolein	3.729	56	23007	88.551	ug/l	96
14) Allyl chloride	4.472	41	69990	17.991	ug/l	98
15) Acrylonitrile	5.161	53	78881	97.423	ug/l	98
16) Acetone	3.954	43	85067	90.066	ug/l	94
17) Carbon Disulfide	4.198	76	89209	13.160	ug/l	98
18) Methyl Acetate	4.478	43	60581	17.753	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	131463	20.270	ug/l	97
20) Methylene Chloride	4.716	84	59553	20.306	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	41999	18.497	ug/l	97
22) Diisopropyl ether	6.118	45	154614	20.503	ug/l	99
23) Vinyl Acetate	6.057	43	392136m	82.907	ug/l	
24) 1,1-Dichloroethane	6.015	63	85821	20.389	ug/l	98
25) 2-Butanone	6.990	43	108665	92.352	ug/l	96
26) 2,2-Dichloropropane	6.978	77	83814	21.941	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	52434	20.170	ug/l	99
28) Bromochloromethane	7.332	49	40680	20.464	ug/l	95
29) Tetrahydrofuran	7.344	42	65906	90.072	ug/l	98
30) Chloroform	7.502	83	95125	21.525	ug/l	93
31) Cyclohexane	7.783	56	59727	17.968	ug/l	95
32) 1,1,1-Trichloroethane	7.697	97	82179	21.922	ug/l	97
36) 1,1-Dichloropropene	7.917	75	59860	20.288	ug/l	98
37) Ethyl Acetate	7.076	43	49395	19.202	ug/l	99
38) Carbon Tetrachloride	7.899	117	75335	22.786	ug/l	100
39) Methylcyclohexane	9.185	83	60443	19.189	ug/l	95
40) Benzene	8.155	78	187944	20.649	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.319	41	24061m	20.238	ug/l		
42) 1,2-Dichloroethane	8.234	62	70838	21.225	ug/l		99
43) Isopropyl Acetate	8.270	43	84146	19.427	ug/l		99
44) Trichloroethene	8.935	130	49923	20.946	ug/l		97
45) 1,2-Dichloropropane	9.215	63	50071	21.318	ug/l		96
46) Dibromomethane	9.301	93	31283	20.804	ug/l		97
47) Bromodichloromethane	9.496	83	74735	22.063	ug/l		100
48) Methyl methacrylate	9.289	41	38114	19.333	ug/l		98
49) 1,4-Dioxane	9.319	88	8603	393.415	ug/l	#	78
51) 4-Methyl-2-Pentanone	10.069	43	239441	97.871	ug/l		99
52) Toluene	10.240	92	119381	21.411	ug/l		97
53) t-1,3-Dichloropropene	10.459	75	75954	20.874	ug/l		100
54) cis-1,3-Dichloropropene	9.923	75	82917	21.344	ug/l		97
55) 1,1,2-Trichloroethane	10.642	97	44002	22.196	ug/l		94
56) Ethyl methacrylate	10.508	69	57194	20.094	ug/l		99
57) 1,3-Dichloropropane	10.788	76	71028	20.969	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.782	63	83499	71.023	ug/l		97
59) 2-Hexanone	10.831	43	174530	98.520	ug/l		98
60) Dibromochloromethane	10.983	129	54291	21.668	ug/l		99
61) 1,2-Dibromoethane	11.087	107	40292	20.229	ug/l		98
64) Tetrachloroethene	10.715	164	46177	22.202	ug/l		97
65) Chlorobenzene	11.514	112	132284	21.239	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.587	131	54302	22.396	ug/l		99
67) Ethyl Benzene	11.587	91	228030	21.152	ug/l		99
68) m/p-Xylenes	11.703	106	177957	43.214	ug/l		98
69) o-Xylene	12.026	106	86885	22.019	ug/l		96
70) Styrene	12.044	104	148114	21.853	ug/l		99
71) Bromoform	12.203	173	38748	21.676	ug/l	#	99
73) Isopropylbenzene	12.325	105	226866	21.919	ug/l		99
74) N-amyl acetate	12.142	43	73160	18.424	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.581	83	54829	20.269	ug/l		99
76) 1,2,3-Trichloropropane	12.629	75	41394m	19.616	ug/l		
77) Bromobenzene	12.605	156	59980	21.437	ug/l		97
78) n-propylbenzene	12.672	91	275622	21.728	ug/l		99
79) 2-Chlorotoluene	12.751	91	160902	21.426	ug/l		98
80) 1,3,5-Trimethylbenzene	12.812	105	192301	21.678	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.373	75	19140	19.243	ug/l		97
82) 4-Chlorotoluene	12.849	91	168674	21.357	ug/l		100
83) tert-Butylbenzene	13.075	119	166611	22.429	ug/l		99
84) 1,2,4-Trimethylbenzene	13.117	105	193238	21.810	ug/l		100
85) sec-Butylbenzene	13.251	105	241070	22.317	ug/l		99
86) p-Isopropyltoluene	13.367	119	201268	22.073	ug/l		99
87) 1,3-Dichlorobenzene	13.367	146	115895	21.811	ug/l		100
88) 1,4-Dichlorobenzene	13.440	146	113070	21.036	ug/l		97
89) n-Butylbenzene	13.696	91	188059	21.858	ug/l		98
90) Hexachloroethane	13.958	117	41251	21.556	ug/l		96
91) 1,2-Dichlorobenzene	13.739	146	104129	21.272	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9667	18.528	ug/l		96
93) 1,2,4-Trichlorobenzene	15.007	180	62057	20.623	ug/l		98
94) Hexachlorobutadiene	15.111	225	36908	23.027	ug/l		99
95) Naphthalene	15.233	128	122306	18.629	ug/l		99
96) 1,2,3-Trichlorobenzene	15.422	180	55950	20.414	ug/l		99

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

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