Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020001.D
Acq On : 24 Oct 2024 10:18
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 25 01:36:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda
10/25/2024
Supervised By :Semsettin Yesilyurt
10/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	232783	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	418258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	359637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	173628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148460	51.796	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.600%			
35) Dibromofluoromethane	7.634	113	141243	51.174	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.340%			
50) Toluene-d8	10.109	98	508949	49.934	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.860%			
62) 4-Bromofluorobenzene	12.408	95	187467	50.903	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 101.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	89569	41.333	ug/l	99
3) Chloromethane	2.074	50	143461	50.865	ug/l	99
4) Vinyl Chloride	2.208	62	168266	54.215	ug/l	96
5) Bromomethane	2.598	94	110316	56.155	ug/l	95
6) Chloroethane	2.739	64	119702	57.410	ug/l	96
7) Trichlorofluoromethane	3.062	101	247001	53.484	ug/l	98
8) Diethyl Ether	3.458	74	71362	50.843	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.818	101	141288	52.596	ug/l	90
10) Methyl Iodide	4.007	142	131050	48.236	ug/l	90
11) Tert butyl alcohol	4.866	59	53541	229.101	ug/l #	78
12) 1,1-Dichloroethene	3.793	96	125623	50.304	ug/l #	78
13) Acrolein	3.653	56	26502	125.834	ug/l	95
14) Allyl chloride	4.391	41	245700	54.529	ug/l #	88
15) Acrylonitrile	5.061	53	180493	281.147	ug/l	98
16) Acetone	3.873	43	228988	306.901	ug/l #	82
17) Carbon Disulfide	4.110	76	284528	42.507	ug/l	99
18) Methyl Acetate	4.385	43	95018	59.117	ug/l #	87
19) Methyl tert-butyl Ether	5.116	73	390492	54.427	ug/l	100
20) Methylene Chloride	4.616	84	150310	54.595	ug/l #	80
21) trans-1,2-Dichloroethene	5.122	96	140542	51.708	ug/l	87
22) Diisopropyl ether	6.018	45	587507	59.860	ug/l #	89
23) Vinyl Acetate	5.958	43	1616943	287.377	ug/l #	89
24) 1,1-Dichloroethane	5.915	63	320368	58.721	ug/l	96
25) 2-Butanone	6.896	43	287911	288.281	ug/l #	86
26) 2,2-Dichloropropane	6.884	77	271927	55.967	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	188719	56.185	ug/l	81
28) Bromochloromethane	7.244	49	135462	56.411	ug/l #	70
29) Tetrahydrofuran	7.262	42	159457	279.629	ug/l #	82
30) Chloroform	7.421	83	327437	58.876	ug/l	100
31) Cyclohexane	7.701	56	245677	51.298	ug/l	88
32) 1,1,1-Trichloroethane	7.616	97	281939	57.847	ug/l	95
36) 1,1-Dichloropropene	7.841	75	215678	54.240	ug/l	95
37) Ethyl Acetate	6.982	43	111358	53.707	ug/l	96
38) Carbon Tetrachloride	7.823	117	235281	55.195	ug/l	99
39) Methylcyclohexane	9.109	83	260045	51.903	ug/l #	87
40) Benzene	8.079	78	658602	54.729	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	58728	52.334	ug/l		90
42) 1,2-Dichloroethane	8.158	62	195495	56.546	ug/l		94
43) Isopropyl Acetate	8.195	43	229416	54.254	ug/l	#	75
44) Trichloroethene	8.866	130	152811	52.429	ug/l		94
45) 1,2-Dichloropropane	9.140	63	172695	57.335	ug/l		99
46) Dibromomethane	9.231	93	87003	52.868	ug/l		90
47) Bromodichloromethane	9.426	83	250585	57.367	ug/l		99
48) Methyl methacrylate	9.219	41	105325	56.625	ug/l	#	80
49) 1,4-Dioxane	9.237	88	19218	1043.398	ug/l	#	76
51) 4-Methyl-2-Pentanone	9.999	43	617833	286.456	ug/l		88
52) Toluene	10.170	92	422863	56.294	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	216124	54.990	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	259380	55.931	ug/l	#	84
55) 1,1,2-Trichloroethane	10.573	97	120959	55.789	ug/l		96
56) Ethyl methacrylate	10.438	69	170842	54.914	ug/l	#	71
57) 1,3-Dichloropropane	10.719	76	211756	55.614	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	414150	285.953	ug/l		92
59) 2-Hexanone	10.762	43	444614	288.623	ug/l		87
60) Dibromochloromethane	10.908	129	153724	55.239	ug/l		99
61) 1,2-Dibromoethane	11.018	107	104176	53.171	ug/l		97
64) Tetrachloroethene	10.646	164	127556	49.865	ug/l		93
65) Chlorobenzene	11.444	112	452057	54.956	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	155895	56.016	ug/l		97
67) Ethyl Benzene	11.517	91	847998	56.751	ug/l		98
68) m/p-Xylenes	11.627	106	611746	110.852	ug/l		91
69) o-Xylene	11.956	106	295098	55.655	ug/l		91
70) Styrene	11.969	104	510026	57.014	ug/l		96
71) Bromoform	12.133	173	80653	54.135	ug/l	#	94
73) Isopropylbenzene	12.255	105	812217	55.615	ug/l		97
74) N-amyl acetate	12.072	43	211253	54.614	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	145126	55.925	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	104869m	30.832	ug/l		
77) Bromobenzene	12.530	156	160829	51.895	ug/l		81
78) n-propylbenzene	12.597	91	1000442	56.693	ug/l		97
79) 2-Chlorotoluene	12.682	91	556787	55.036	ug/l		95
80) 1,3,5-Trimethylbenzene	12.737	105	653964	55.447	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.304	75	45044	53.454	ug/l	#	83
82) 4-Chlorotoluene	12.779	91	578077	55.883	ug/l		93
83) tert-Butylbenzene	12.999	119	599060	56.697	ug/l		95
84) 1,2,4-Trimethylbenzene	13.042	105	650881	55.662	ug/l		96
85) sec-Butylbenzene	13.176	105	904903	57.322	ug/l		98
86) p-Isopropyltoluene	13.292	119	713726	55.678	ug/l		95
87) 1,3-Dichlorobenzene	13.285	146	331871	53.027	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	325933	53.011	ug/l		96
89) n-Butylbenzene	13.621	91	721021	57.603	ug/l		97
90) Hexachloroethane	13.883	117	141067	56.515	ug/l		85
91) 1,2-Dichlorobenzene	13.657	146	293777	53.422	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20336	49.103	ug/l		78
93) 1,2,4-Trichlorobenzene	14.919	180	151282	49.061	ug/l		96
94) Hexachlorobutadiene	15.023	225	83544	48.733	ug/l		99
95) Naphthalene	15.145	128	286179	49.208	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	125653	48.206	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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