Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101024\
Data File : VN084388.D
Acq On : 10 Oct 2024 15:16
Operator : JC\MD
Sample : P4368-08 5.0PPB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 11 05:32:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 11 05:25:25 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2024

Manual Integrations APPROVED

Reviewed By :John Carlone 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	158393	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	276069	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	246837	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113813	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.582	65	117253	49.927	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.860%				
35) Dibromofluoromethane	8.165	113	92046	50.574	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.140%				
50) Toluene-d8	10.565	98	332069	49.592	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.180%				
62) 4-Bromofluorobenzene	12.847	95	117208	48.047	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	10003	5.339	ug/l		91
3) Chloromethane	2.365	50	11238	5.253	ug/l		99
4) Vinyl Chloride	2.512	62	11191	5.401	ug/l		100
5) Bromomethane	2.953	94	7181	5.254	ug/l		88
6) Chloroethane	3.118	64	7948	5.356	ug/l		99
7) Trichlorofluoromethane	3.495	101	16673	5.167	ug/l		89
8) Diethyl Ether	3.953	74	5450	4.554	ug/l		84
9) 1,1,2-Trichlorotrifluo...	4.371	101	9846	5.325	ug/l		98
10) Methyl Iodide	4.583	142	11168	4.690	ug/l	#	88
11) Tert butyl alcohol	5.524	59	8380	21.640	ug/l	#	82
12) 1,1-Dichloroethene	4.347	96	9142	5.126	ug/l		88
13) Acrolein	4.177	56	7169	16.126	ug/l		99
14) Allyl chloride	5.018	41	15569	5.027	ug/l	#	79
15) Acrylonitrile	5.724	53	24122	24.667	ug/l		98
16) Acetone	4.436	43	28547	28.296	ug/l		92
17) Carbon Disulfide	4.706	76	26692	4.727	ug/l		96
18) Methyl Acetate	5.030	43	10646	4.842	ug/l		96
19) Methyl tert-butyl Ether	5.800	73	28285	4.699	ug/l	#	88
20) Methylene Chloride	5.283	84	10998	5.363	ug/l		86
21) trans-1,2-Dichloroethene	5.783	96	9593	5.134	ug/l		96
22) Diisopropyl ether	6.671	45	31149	4.862	ug/l		98
23) Vinyl Acetate	6.606	43	120200	25.296	ug/l		97
24) 1,1-Dichloroethane	6.565	63	19342	5.399	ug/l		99
25) 2-Butanone	7.483	43	35821	26.069	ug/l		96
26) 2,2-Dichloropropane	7.483	77	16681	5.164	ug/l		97
27) cis-1,2-Dichloroethene	7.488	96	11106	4.919	ug/l		100
28) Bromochloromethane	7.818	49	9198	5.754	ug/l	#	99
29) Tetrahydrofuran	7.835	42	19696	23.227	ug/l		99
30) Chloroform	7.959	83	20276	5.448	ug/l		99
31) Cyclohexane	8.259	56	18875	5.426	ug/l		99
32) 1,1,1-Trichloroethane	8.165	97	17669	5.286	ug/l		90
36) 1,1-Dichloropropene	8.371	75	12817	4.848	ug/l		98
37) Ethyl Acetate	7.559	43	13603	5.016	ug/l		98
38) Carbon Tetrachloride	8.359	117	15198	5.241	ug/l		90
39) Methylcyclohexane	9.600	83	13308	4.523	ug/l		96
40) Benzene	8.606	78	42474	5.157	ug/l		94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	6718	4.563	ug/l		95
42) 1,2-Dichloroethane	8.671	62	14350	5.139	ug/l		100
43) Isopropyl Acetate	8.688	43	23709	4.463	ug/l		98
44) Trichloroethene	9.353	130	9994	5.195	ug/l		99
45) 1,2-Dichloropropane	9.624	63	10571	5.425	ug/l		95
46) Dibromomethane	9.712	93	7056	5.366	ug/l		94
47) Bromodichloromethane	9.888	83	15948	5.459	ug/l	#	89
48) Methyl methacrylate	9.682	41	9248	4.373	ug/l		98
49) 1,4-Dioxane	9.694	88	3513	90.235	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.441	43	63143	24.456	ug/l		97
52) Toluene	10.629	92	25996	5.176	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	13357	4.485	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	15656	4.888	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	10018	5.564	ug/l		94
56) Ethyl methacrylate	10.871	69	13299	4.489	ug/l		98
57) 1,3-Dichloropropane	11.159	76	16506	5.130	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	31073	22.608	ug/l		99
59) 2-Hexanone	11.194	43	47565	24.649	ug/l		96
60) Dibromochloromethane	11.353	129	10806	5.079	ug/l		99
61) 1,2-Dibromoethane	11.471	107	9538	5.098	ug/l		100
64) Tetrachloroethene	11.106	164	8526	4.959	ug/l		85
65) Chlorobenzene	11.888	112	27634	5.049	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.959	131	10083	5.349	ug/l		94
67) Ethyl Benzene	11.965	91	44698	4.618	ug/l		97
68) m/p-Xylenes	12.070	106	33275	9.294	ug/l		95
69) o-Xylene	12.400	106	15471	4.567	ug/l		99
70) Styrene	12.412	104	24806	4.323	ug/l		99
71) Bromoform	12.576	173	7355	5.299	ug/l	#	97
73) Isopropylbenzene	12.694	105	38067	4.383	ug/l		100
74) N-amyl acetate	12.494	43	17023	4.328	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.935	83	13896	5.321	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	17616	7.582	ug/l		59
77) Bromobenzene	12.976	156	10640	5.079	ug/l		96
78) n-propylbenzene	13.035	91	47719	4.742	ug/l		99
79) 2-Chlorotoluene	13.123	91	31391	4.889	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	32013	4.519	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	3894m	4.018	ug/l		
82) 4-Chlorotoluene	13.217	91	29506	4.565	ug/l		97
83) tert-Butylbenzene	13.435	119	25066	3.981	ug/l		92
84) 1,2,4-Trimethylbenzene	13.482	105	30788	4.314	ug/l		98
85) sec-Butylbenzene	13.612	105	37762	4.494	ug/l		100
86) p-Isopropyltoluene	13.723	119	29373	4.227	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	19251	4.898	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	19900	5.014	ug/l		95
89) n-Butylbenzene	14.053	91	25898	4.111	ug/l		95
90) Hexachloroethane	14.335	117	7063	5.008	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	17770	4.611	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	2552	4.736	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	7077	3.728	ug/l		100
94) Hexachlorobutadiene	15.494	225	4257	4.497	ug/l		89
95) Naphthalene	15.635	128	21461	3.411	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	7640	4.021	ug/l		98

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

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