Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052825\
Data File : VX046386.D
Acq On : 28 May 2025 15:49
Operator : JC/MD
Sample : Q2126-09 0.75PPB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2025

Manual Integrations APPROVED

Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

Quant Time: May 29 03:39:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	84395	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	151394	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	129957	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57125	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.952	65	81259	51.646	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.300%				
35) Dibromofluoromethane	5.379	113	55622	51.020	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.040%				
50) Toluene-d8	8.647	98	181669	48.146	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.300%				
62) 4-Bromofluorobenzene	11.079	95	66376	45.859	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.720%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	1010	0.782	ug/l		88
3) Chloromethane	1.300	50	1008	0.805	ug/l		96
4) Vinyl Chloride	1.374	62	896	0.769	ug/l		94
5) Bromomethane	1.599	94	614	1.136	ug/l		88
6) Chloroethane	1.678	64	538	0.864	ug/l	#	83
7) Trichlorofluoromethane	1.880	101	1368	0.794	ug/l		96
8) Diethyl Ether	2.142	74	374	0.638	ug/l	#	1
9) 1,1,2-Trichlorotrifluo...	2.325	101	920	0.863	ug/l		98
10) Methyl Iodide	2.447	142	884	0.701	ug/l	#	82
11) Tert butyl alcohol	2.971	59	981	4.442	ug/l	#	72
12) 1,1-Dichloroethene	2.312	96	785	0.784	ug/l		83
13) Acrolein	2.233	56	421	1.674	ug/l	#	83
14) Allyl chloride	2.654	41	1697	0.887	ug/l		95
15) Acrylonitrile	3.068	53	2513	3.979	ug/l		92
16) Acetone	2.380	43	3530	5.596	ug/l		99
17) Carbon Disulfide	2.501	76	1521	0.641	ug/l		98
18) Methyl Acetate	2.703	43	1765	1.206	ug/l		95
19) Methyl tert-butyl Ether	3.117	73	2787	0.794	ug/l		92
20) Methylene Chloride	2.782	84	1046	0.865	ug/l	#	88
21) trans-1,2-Dichloroethene	3.087	96	857	0.852	ug/l	#	73
22) Diisopropyl ether	3.763	45	3035	0.822	ug/l	#	74
23) Vinyl Acetate	3.733	43	11745	3.615	ug/l	#	94
24) 1,1-Dichloroethane	3.599	63	1863	0.905	ug/l	#	82
25) 2-Butanone	4.593	43	3718	4.060	ug/l		98
26) 2,2-Dichloropropane	4.465	77	1113	0.691	ug/l		82
27) cis-1,2-Dichloroethene	4.489	96	924	0.763	ug/l		94
28) Bromochloromethane	4.891	49	766	0.773	ug/l	#	93
29) Tetrahydrofuran	5.025	42	2556	4.454	ug/l		87
30) Chloroform	5.080	83	1724m	0.804	ug/l		
31) Cyclohexane	5.446	56	1610	0.859	ug/l	#	80
32) 1,1,1-Trichloroethane	5.385	97	1484	0.798	ug/l	#	53
36) 1,1-Dichloropropene	5.696	75	1260	0.860	ug/l		92
37) Ethyl Acetate	4.745	43	1764m	0.975	ug/l		
38) Carbon Tetrachloride	5.678	117	1357	0.825	ug/l		92
39) Methylcyclohexane	7.373	83	1460	0.774	ug/l	#	84
40) Benzene	6.031	78	3374	0.786	ug/l		92

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Quant Title : SW846 8260
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ClientSampleId :
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.958	41	619m	0.654	ug/l		
42) 1,2-Dichloroethane	6.092	62	1663	0.898	ug/l	#	78
43) Isopropyl Acetate	6.348	43	1984	0.719	ug/l	#	74
44) Trichloroethene	7.123	130	774	0.750	ug/l		94
45) 1,2-Dichloropropane	7.427	63	739	0.693	ug/l	#	25
46) Dibromomethane	7.586	93	732	0.870	ug/l		92
47) Bromodichloromethane	7.830	83	1339	0.808	ug/l	#	92
48) Methyl methacrylate	7.714	41	936	0.664	ug/l		94
49) 1,4-Dioxane	7.683	88	389	14.530	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	6473	3.532	ug/l		99
52) Toluene	8.720	92	2059	0.783	ug/l		89
53) t-1,3-Dichloropropene	8.994	75	959	0.651	ug/l	#	73
54) cis-1,3-Dichloropropene	8.372	75	1094	0.672	ug/l	#	85
55) 1,1,2-Trichloroethane	9.159	97	864	0.833	ug/l	#	83
56) Ethyl methacrylate	9.122	69	1129	0.683	ug/l		89
57) 1,3-Dichloropropane	9.311	76	1291	0.693	ug/l	#	88
58) 2-Chloroethyl Vinyl ether	8.250	63	2911	3.454	ug/l		93
59) 2-Hexanone	9.439	43	4651	3.430	ug/l		99
60) Dibromochloromethane	9.525	129	827	0.726	ug/l		96
61) 1,2-Dibromoethane	9.616	107	756	0.701	ug/l	#	79
64) Tetrachloroethene	9.275	164	757	0.823	ug/l	#	77
65) Chlorobenzene	10.079	112	2383	0.838	ug/l		91
66) 1,1,1,2-Tetrachloroethane	10.165	131	802	0.826	ug/l	#	65
67) Ethyl Benzene	10.195	91	4023	0.802	ug/l		92
68) m/p-Xylenes	10.299	106	2781	1.516	ug/l		99
69) o-Xylene	10.640	106	1279	0.715	ug/l		90
70) Styrene	10.665	104	2050	0.700	ug/l		96
71) Bromoform	10.799	173	556	0.762	ug/l	#	77
73) Isopropylbenzene	10.957	105	3488	0.784	ug/l		99
74) N-amyl acetate	10.854	43	1491	0.678	ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	1376	0.883	ug/l		98
76) 1,2,3-Trichloropropane	11.244	75	1159m	0.843	ug/l		
77) Bromobenzene	11.201	156	916	0.887	ug/l		99
78) n-propylbenzene	11.305	91	3783	0.732	ug/l		99
79) 2-Chlorotoluene	11.366	91	3056	0.916	ug/l		92
80) 1,3,5-Trimethylbenzene	11.451	105	2726	0.734	ug/l		93
81) trans-1,4-Dichloro-2-b...	11.079	75	38030	90.045	ug/l	#	1
82) 4-Chlorotoluene	11.457	91	3001	0.811	ug/l		88
83) tert-Butylbenzene	11.713	119	2911	0.778	ug/l		96
84) 1,2,4-Trimethylbenzene	11.756	105	2548	0.677	ug/l		90
85) sec-Butylbenzene	11.890	105	3152	0.686	ug/l		99
86) p-Isopropyltoluene	12.012	119	2786	0.735	ug/l		95
87) 1,3-Dichlorobenzene	11.969	146	1481	0.786	ug/l		96
88) 1,4-Dichlorobenzene	12.036	146	1608m	0.836	ug/l		
89) n-Butylbenzene	12.335	91	2163	0.650	ug/l		87
90) Hexachloroethane	12.536	117	509	0.762	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	1619	0.856	ug/l		93
92) 1,2-Dibromo-3-Chloropr...	12.945	75	212	0.614	ug/l		84
93) 1,2,4-Trichlorobenzene	13.591	180	622	0.573	ug/l		86
94) Hexachlorobutadiene	13.719	225	388	0.818	ug/l		91
95) Naphthalene	13.780	128	2379	0.597	ug/l	#	95
96) 1,2,3-Trichlorobenzene	13.963	180	804	0.717	ug/l		94

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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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