Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071423\
Data File : VX036536.D
Acq On : 13 Jul 2023 19:28
Operator : JC/MD
Sample : 03572-08 5.0PPB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2023

Manual Integrations APPROVED

Reviewed By :John Carlone 07/14/2023
Supervised By :Semsettin Yesilyurt 07/14/2023

Quant Time: Jul 14 04:38:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 14 04:32:22 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.904	128	30987	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	163129	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	149729	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	75863	29.498	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.333%			
60) 4-Bromofluorobenzene	11.079	95	71496	29.437	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.133%			
63) Toluene-d8	8.647	98	206601	29.986	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.967%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	6244	3.607	ug/l	93
3) Chloromethane	1.294	50	10305	4.351	ug/l	97
4) Vinyl Chloride	1.374	62	10111	4.140	ug/l	93
5) Bromomethane	1.611	94	11444	4.575	ug/l	99
6) Chloroethane	1.685	64	8441	5.077	ug/l	100
7) Trichlorofluoromethane	1.886	101	16310	4.116	ug/l	98
8) Diethyl Ether	2.130	74	7980	4.847	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	6904	3.848	ug/l	97
10) 1,1-Dichloroethene	2.319	96	7850	4.329	ug/l	92
11) Methyl Iodide	2.453	142	8655	4.189	ug/l	95
12) Methyl Acetate	2.709	43	20068	4.708	ug/l	99
13) Acrolein	2.239	56	8874	25.379	ug/l	95
14) Acrylonitrile	3.069	53	28591	23.931	ug/l	96
15) Acetone	2.386	58	8067	23.849	ug/l	93
16) Carbon Disulfide	2.508	76	17704	4.024	ug/l	96
17) Allyl chloride	2.660	41	14167	4.404	ug/l	93
18) Methylene Chloride	2.794	84	11320	5.184	ug/l	97
19) trans-1,2-Dichloroethene	3.093	96	8975	4.528	ug/l	94
20) Diisopropyl ether	3.757	45	30840	4.704	ug/l #	81
21) 1,1-Dichloroethane	3.605	63	17566	4.596	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	11194	4.693	ug/l	96
23) tert-Butyl Alcohol	2.989	59	13636m	24.578	ug/l	
24) Methyl tert-Butyl Ether	3.117	73	31407	4.763	ug/l	99
25) Chloroform	5.093	83	18622	4.712	ug/l	96
26) Cyclohexane	5.477	56	11521	3.929	ug/l #	98
29) 1,1-Dichloropropene	5.702	75	10617	4.316	ug/l	87
30) 2-Butanone	4.568	43	40430	26.103	ug/l	99
31) 2,2-Dichloropropane	4.483	77	11209	4.155	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	13850	4.738	ug/l	99
33) Carbon Tetrachloride	5.684	117	10689	4.286	ug/l #	88
34) Benzene	6.037	78	38767	5.113	ug/l	99
35) Methacrylonitrile	4.922	41	8166m	5.081	ug/l	
36) 1,2-Dichloroethane	6.092	62	15589	5.354	ug/l #	92
37) Trichloroethene	7.129	130	9942	4.982	ug/l	94
38) Methylcyclohexane	7.385	83	11521	4.026	ug/l	97
39) 1,2-Dichloropropane	7.434	63	10825	5.267	ug/l	96
40) Dibromomethane	7.586	93	7978	5.359	ug/l	93
41) Bromodichloromethane	7.824	83	13295	4.921	ug/l	97
42) Vinyl Acetate	3.721	43	117047	25.019	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	4.721	43	15704	5.209	ug/l	#	79
44) Isopropyl Acetate	6.342	43	24446m	5.084	ug/l		
45) 1,4-Dioxane	7.690	88	5565	101.966	ug/l	#	1
46) Methyl methacrylate	7.696	41	11811	5.140	ug/l		93
47) n-amyl Acetate	10.842	43	18867	4.626	ug/l		99
48) t-1,3-Dichloropropene	8.976	75	12857	4.338	ug/l		95
49) cis-1,3-Dichloropropene	8.366	75	14844	4.637	ug/l		97
50) 1,1,2-Trichloroethane	9.153	97	10755	5.322	ug/l		97
51) Ethyl methacrylate	9.116	69	15843	4.993	ug/l		96
52) 1,3-Dichloropropane	9.311	76	18458	5.412	ug/l		100
53) Dibromochloromethane	9.525	129	8961	4.393	ug/l		91
54) 1,2-Dibromoethane	9.610	107	11079	5.218	ug/l		100
55) 2-Chloroethyl vinyl ether	8.244	63	38992	22.850	ug/l		99
56) Bromoform	10.799	173	5976	4.211	ug/l		97
58) 4-Methyl-2-Pentanone	8.574	43	78912	25.487	ug/l		98
59) 2-Hexanone	9.433	43	59453	25.240	ug/l		98
61) Tetrachloroethene	9.275	164	9017	5.028	ug/l		95
62) Toluene	8.720	91	41620	4.954	ug/l		99
64) Chlorobenzene	10.079	112	26124	4.995	ug/l		98
65) 1,1,1,2-Tetrachloroethane	10.165	131	8884	4.703	ug/l		93
66) Ethyl Benzene	10.195	91	43900	4.808	ug/l		99
67) m/p-Xylenes	10.305	106	33168	9.318	ug/l		98
68) o-Xylene	10.640	106	17376	4.919	ug/l		99
69) Styrene	10.659	104	26349	4.600	ug/l		99
70) Isopropylbenzene	10.963	105	39922	4.537	ug/l		96
71) 1,1,2,2-Tetrachloroethane	11.213	83	16248	5.060	ug/l		99
72) 1,2,3-Trichloropropane	11.238	75	14442m	4.853	ug/l		
73) Bromobenzene	11.201	156	10756	4.945	ug/l		99
74) n-propylbenzene	11.305	91	44905	4.336	ug/l		100
75) 2-Chlorotoluene	11.366	91	29772	4.728	ug/l		95
76) 1,3,5-Trimethylbenzene	11.451	105	34153	4.517	ug/l		99
77) t-1,4-Dichloro-2-butene	11.018	75	3528	3.610	ug/l		90
78) 4-Chlorotoluene	11.457	91	33458	4.666	ug/l		99
79) tert-butylbenzene	11.713	119	31124	4.337	ug/l		99
80) 1,2,4-Trimethylbenzene	11.756	105	33899	4.525	ug/l		99
81) sec-Butylbenzene	11.890	105	37264	4.126	ug/l		98
82) p-Isopropyltoluene	12.012	119	30233	4.023	ug/l		98
83) 1,3-Dichlorobenzene	11.969	146	19150	4.734	ug/l		99
84) 1,4-Dichlorobenzene	12.043	146	18539	4.599	ug/l		95
85) n-Butylbenzene	12.335	91	24998	3.654	ug/l		99
86) Hexachloroethane	12.542	117	4902	3.940	ug/l		93
87) 1,2-Dichlorobenzene	12.335	146	18906	4.659	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	3093	4.283	ug/l		94
89) 1,2,4-Trichlorobenzene	13.591	180	10569	4.130	ug/l		98
90) Hexachlorobutadiene	13.725	225	3734	4.017	ug/l		97
91) Naphthalene	13.774	128	40122	4.469	ug/l		99
92) 1,2,3-Trichlorobenzene	13.963	180	11357	4.397	ug/l		99

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

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