Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102320\
Data File : VX019076.D
Acq On : 23 Oct 2020 13:40
Operator : JC/SP
Sample : L4214-08 5.0PPB LOQ
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : LOQ-WATER-02-QT4-2020

Manual Integrations APPROVED
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10/26/2020 2:27:51 PM

Quant Time: Oct 26 05:25:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X102320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 03:21:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	4.98	128	44123	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.83	114	243899	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.10	117	224598	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.03	65	90058	30.64	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.13%				
60) 4-Bromofluorobenzene	11.12	95	98456	29.21	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.37%				
63) Toluene-d8	8.70	98	297986	30.05	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.17%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.18	85	11958	5.393	ug/l		99
3) Chloromethane	1.31	50	12051	6.015	ug/l		95
4) Vinyl Chloride	1.39	62	14118	5.376	ug/l		96
5) Bromomethane	1.64	94	13025	7.162	ug/l		99
6) Chloroethane	1.72	64	9903	5.565	ug/l		97
7) Trichlorofluoromethane	1.92	101	24432	5.343	ug/l		99
8) Diethyl Ether	2.17	74	9614	5.609	ug/l		97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	11984	5.485	ug/l		99
10) 1,1-Dichloroethene	2.36	96	11924	5.368	ug/l		96
11) Methyl Iodide	2.49	142	7214	9.813	ug/l		97
12) Methyl Acetate	2.75	43	11708	5.325	ug/l		99
13) Acrolein	2.28	56	8786	43.396	ug/l		98
14) Acrylonitrile	3.12	53	28878	27.956	ug/l		99
15) Acetone	2.42	58	8978	30.340	ug/l		92
16) Carbon Disulfide	2.55	76	33116	5.364	ug/l		98
17) Allyl chloride	2.71	41	14587	5.258	ug/l		95
18) Methylene Chloride	2.84	84	14033	5.540	ug/l		97
19) trans-1,2-Dichloroethene	3.14	96	13291	5.123	ug/l		97
20) Diisopropyl ether	3.82	45	30360	5.402	ug/l		95
21) 1,1-Dichloroethane	3.67	63	22229	5.387	ug/l		98
22) cis-1,2-Dichloroethene	4.56	96	15810	5.261	ug/l		98
23) tert-Butyl Alcohol	3.02	59	14336	28.626	ug/l	#	100
24) Methyl tert-Butyl Ether	3.17	73	37406	5.326	ug/l		97
25) Chloroform	5.18	83	24565	5.373	ug/l		99
26) Cyclohexane	5.55	56	16409	5.117	ug/l	#	98
29) 1,1-Dichloropropene	5.77	75	18140	5.272	ug/l		99
30) 2-Butanone	4.64	43	39808	29.041	ug/l		99
31) 2,2-Dichloropropane	4.55	77	20191	5.129	ug/l		99
32) 1,1,1-Trichloroethane	5.46	97	21887	5.292	ug/l		98
33) Carbon Tetrachloride	5.76	117	18013	5.019	ug/l		98
34) Benzene	6.11	78	55243	5.457	ug/l		98
35) Methacrylonitrile	5.00	41	8383	5.649	ug/l		88
36) 1,2-Dichloroethane	6.16	62	19187m	5.525	ug/l		
37) Trichloroethene	7.19	130	15277	5.250	ug/l		99
38) Methylcyclohexane	7.44	83	20408	5.291	ug/l		99
39) 1,2-Dichloropropane	7.49	63	12626	5.373	ug/l		96
40) Dibromomethane	7.63	93	10030	5.499	ug/l		99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	18439	5.114	ug/l	99
42) Vinyl Acetate	3.78	43	140902	26.418	ug/l	100
43) Ethyl Acetate	4.80	43	15698m	5.459	ug/l	
44) Isopropyl Acetate	6.41	43	26260	5.454	ug/l	99
45) 1,4-Dioxane	7.73	88	5584	110.328	ug/l	97
46) Methyl methacrylate	7.74	41	12138	5.326	ug/l	96
47) n-amyl Acetate	10.88	43	19723	5.106	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	20254	5.017	ug/l	97
49) cis-1,3-Dichloropropene	8.42	75	21914	5.101	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	13663	5.172	ug/l	96
51) Ethyl methacrylate	9.16	69	20194	5.239	ug/l	98
52) 1,3-Dichloropropane	9.35	76	23541	5.470	ug/l	99
53) Dibromochloromethane	9.56	129	14873	5.058	ug/l	97
54) 1,2-Dibromoethane	9.65	107	15145	5.276	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	52692	25.579	ug/l	99
56) Bromoform	10.84	173	9482	4.612	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	78468	27.704	ug/l	99
59) 2-Hexanone	9.47	43	59018	27.963	ug/l	100
61) Tetrachloroethene	9.32	164	14171	5.318	ug/l	89
62) Toluene	8.76	91	63159	5.351	ug/l	98
64) Chlorobenzene	10.12	112	38837	5.293	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	13649	5.115	ug/l	99
66) Ethyl Benzene	10.23	91	69240	5.350	ug/l	100
67) m/p-Xylenes	10.34	106	50276	10.187	ug/l	98
68) o-Xylene	10.68	106	24099	5.120	ug/l	97
69) Styrene	10.70	104	38881	4.903	ug/l	100
70) Isopropylbenzene	11.00	105	66224	5.232	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	18806	5.147	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	17762m	5.406	ug/l	
73) Bromobenzene	11.24	156	15521	5.018	ug/l	97
74) n-propylbenzene	11.34	91	73602	5.136	ug/l	100
75) 2-Chlorotoluene	11.40	91	43178	5.327	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	52554	5.117	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	6287	4.818	ug/l	97
78) 4-Chlorotoluene	11.49	91	48922	5.136	ug/l	99
79) tert-butylbenzene	11.76	119	51318	5.074	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	52077	5.101	ug/l	100
81) sec-Butylbenzene	11.93	105	62326	5.208	ug/l	99
82) p-Isopropyltoluene	12.05	119	54373	4.930	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	27707	5.012	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	27706	4.936	ug/l	98
85) n-Butylbenzene	12.37	91	48294	4.891	ug/l	98
86) Hexachloroethane	12.58	117	7787	4.597	ug/l	96
87) 1,2-Dichlorobenzene	12.37	146	26616	5.029	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	4097	4.954	ug/l	94
89) 1,2,4-Trichlorobenzene	13.63	180	17614	4.625	ug/l	99
90) Hexachlorobutadiene	13.76	225	7770	4.811	ug/l	98
91) Naphthalene	13.82	128	55374	4.441	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	17546	4.789	ug/l	99

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

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