Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102320\
Data File : VX019075.D
Acq On : 23 Oct 2020 13:18
Operator : JC/SP
Sample : L4214-07 2.5PPB LOD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : LOD-MDL-WATER-01-QT4-2020

Manual Integrations APPROVED
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10/26/2020 2:27:46 PM

Quant Time: Oct 26 05:23:34 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	42250	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.83	114	235618	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.10	117	213868	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.03	65	87077	30.94	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.13%				
60) 4-Bromofluorobenzene	11.12	95	96788	30.15	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.50%				
63) Toluene-d8	8.70	98	285765	30.26	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.87%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.18	85	5397	2.542	ug/l		94
3) Chloromethane	1.31	50	5317	2.771	ug/l		97
4) Vinyl Chloride	1.39	62	6665	2.651	ug/l		99
5) Bromomethane	1.64	94	6661	3.825	ug/l		96
6) Chloroethane	1.72	64	4234	2.485	ug/l		94
7) Trichlorofluoromethane	1.92	101	10911	2.492	ug/l		97
8) Diethyl Ether	2.17	74	4095	2.495	ug/l		91
9) 1,1,2-Trichlorotrifluoroet	2.36	101	5472	2.616	ug/l		97
10) 1,1-Dichloroethene	2.36	96	5360	2.520	ug/l		91
11) Methyl Iodide	2.50	142	3673	8.656	ug/l		92
12) Methyl Acetate	2.75	43	5184	2.462	ug/l		100
13) Acrolein	2.28	56	3906	20.148	ug/l		92
14) Acrylonitrile	3.11	53	12281	12.416	ug/l		98
15) Acetone	2.42	58	4036	14.244	ug/l		83
16) Carbon Disulfide	2.55	76	16093	2.722	ug/l		98
17) Allyl chloride	2.70	41	6331	2.383	ug/l		99
18) Methylene Chloride	2.84	84	6597	2.720	ug/l		94
19) trans-1,2-Dichloroethene	3.14	96	6576	2.647	ug/l		93
20) Diisopropyl ether	3.82	45	13212	2.455	ug/l	#	88
21) 1,1-Dichloroethane	3.67	63	10161	2.572	ug/l		95
22) cis-1,2-Dichloroethene	4.56	96	7259	2.523	ug/l	#	87
23) tert-Butyl Alcohol	3.01	59	6278	13.092	ug/l	#	100
24) Methyl tert-Butyl Ether	3.16	73	16741	2.489	ug/l		94
25) Chloroform	5.18	83	10918	2.494	ug/l		96
26) Cyclohexane	5.54	56	8066	2.627	ug/l	#	93
29) 1,1-Dichloropropene	5.77	75	8134	2.447	ug/l		99
30) 2-Butanone	4.64	43	16831	12.710	ug/l	#	97
31) 2,2-Dichloropropane	4.54	77	9736	2.560	ug/l		100
32) 1,1,1-Trichloroethane	5.46	97	9786	2.449	ug/l	#	75
33) Carbon Tetrachloride	5.74	117	7999	2.307	ug/l		89
34) Benzene	6.11	78	24959	2.552	ug/l		98
35) Methacrylonitrile	5.01	41	3738	2.608	ug/l		96
36) 1,2-Dichloroethane	6.16	62	8690	2.590	ug/l	#	94
37) Trichloroethene	7.19	130	6972	2.480	ug/l		94
38) Methylcyclohexane	7.44	83	9357	2.511	ug/l		96
39) 1,2-Dichloropropane	7.49	63	5770	2.542	ug/l		97
40) Dibromomethane	7.63	93	4478	2.542	ug/l		97

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Bromodichloromethane	7.87	83	8042	2.309 ug/l	#	97
42) Vinyl Acetate	3.78	43	61840	12.002 ug/l		100
43) Ethyl Acetate	4.80	43	6868m	2.472 ug/l		
44) Isopropyl Acetate	6.40	43	11464	2.464 ug/l	#	89
45) 1,4-Dioxane	7.73	88	2484	50.803 ug/l	#	83
46) Methyl methacrylate	7.75	41	5391	2.449 ug/l		92
47) n-amyl Acetate	10.88	43	9020	2.417 ug/l		97
48) t-1,3-Dichloropropene	9.02	75	8695	2.230 ug/l		99
49) cis-1,3-Dichloropropene	8.42	75	9756	2.351 ug/l		96
50) 1,1,2-Trichloroethane	9.20	97	6402	2.509 ug/l		89
51) Ethyl methacrylate	9.16	69	8246	2.214 ug/l		97
52) 1,3-Dichloropropane	9.35	76	10160	2.444 ug/l		96
53) Dibromochloromethane	9.56	129	6393	2.250 ug/l		100
54) 1,2-Dibromoethane	9.65	107	6395	2.306 ug/l		96
55) 2-Chloroethyl vinyl ether	8.29	63	23271	11.694 ug/l		99
56) Bromoform	10.84	173	4286	2.158 ug/l		96
58) 4-Methyl-2-Pentanone	8.62	43	32897	12.197 ug/l		99
59) 2-Hexanone	9.47	43	24981	12.430 ug/l		99
61) Tetrachloroethene	9.32	164	6331	2.495 ug/l		89
62) Toluene	8.76	91	28498	2.535 ug/l		98
64) Chlorobenzene	10.12	112	17457	2.498 ug/l		99
65) 1,1,1,2-Tetrachloroethane	10.20	131	6064	2.386 ug/l		98
66) Ethyl Benzene	10.23	91	30147	2.446 ug/l		98
67) m/p-Xylenes	10.34	106	23111	4.918 ug/l		99
68) o-Xylene	10.68	106	10961	2.445 ug/l		100
69) Styrene	10.70	104	16901	2.238 ug/l		99
70) Isopropylbenzene	11.00	105	28192	2.339 ug/l		98
71) 1,1,2,2-Tetrachloroethane	11.25	83	8179	2.351 ug/l		99
72) 1,2,3-Trichloropropane	11.28	75	7865m	2.514 ug/l		
73) Bromobenzene	11.24	156	7245	2.460 ug/l		97
74) n-propylbenzene	11.34	91	33296	2.440 ug/l		98
75) 2-Chlorotoluene	11.40	91	18839	2.441 ug/l		99
76) 1,3,5-Trimethylbenzene	11.49	105	23430	2.396 ug/l		99
77) t-1,4-Dichloro-2-butene	11.05	75	2765	2.225 ug/l		95
78) 4-Chlorotoluene	11.49	91	21865	2.410 ug/l		98
79) tert-butylbenzene	11.76	119	22577	2.344 ug/l		98
80) 1,2,4-Trimethylbenzene	11.79	105	23348	2.402 ug/l		97
81) sec-Butylbenzene	11.93	105	26482	2.324 ug/l		97
82) p-Isopropyltoluene	12.05	119	24636	2.346 ug/l		98
83) 1,3-Dichlorobenzene	12.01	146	12789	2.429 ug/l		99
84) 1,4-Dichlorobenzene	12.08	146	13045	2.441 ug/l		99
85) n-Butylbenzene	12.37	91	21704	2.308 ug/l		99
86) Hexachloroethane	12.58	117	3409	2.113 ug/l		98
87) 1,2-Dichlorobenzene	12.38	146	12052	2.391 ug/l		99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	1815	2.305 ug/l		87
89) 1,2,4-Trichlorobenzene	13.63	180	7933	2.187 ug/l		99
90) Hexachlorobutadiene	13.76	225	3842	2.498 ug/l		96
91) Naphthalene	13.82	128	24364	2.052 ug/l		99
92) 1,2,3-Trichlorobenzene	14.00	180	7304	2.094 ug/l		97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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