Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101619\
Data File : VX013096.D
Acq On : 16 Oct 2019 15:12
Operator : JC/SP
Sample : K5111-08 5.0PPB LOQ
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : LOQ-WATER-02-QT4-2019

Manual Integrations APPROVED
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10/18/2019 4:54:02 PM

Quant Time: Oct 17 03:39:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X101619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 17 03:05:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.00	128	30376	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.85	114	172482	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.11	117	151141	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.05	65	69470	29.82	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 99.40%				
60) 4-Bromofluorobenzene	11.14	95	76156	28.79	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 95.97%				
63) Toluene-d8	8.71	98	209059	30.32	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 101.07%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.19	85	10475	5.115	ug/l		97
3) Chloromethane	1.32	50	10015	4.982	ug/l		95
4) Vinyl Chloride	1.40	62	9849	4.912	ug/l		93
5) Bromomethane	1.63	94	5417	5.781	ug/l		97
6) Chloroethane	1.71	64	6375m	5.171	ug/l		
7) Trichlorofluoromethane	1.92	101	14650	4.972	ug/l		96
8) Diethyl Ether	2.18	74	5384	4.966	ug/l		86
9) 1,1,2-Trichlorotrifluoroet	2.37	101	9163	4.934	ug/l		98
10) 1,1-Dichloroethene	2.36	96	9321	5.102	ug/l		97
11) Methyl Iodide	2.50	142	7388	3.306	ug/l		95
12) Methyl Acetate	2.76	43	13505	5.286	ug/l		97
13) Acrolein	2.28	56	8201	22.307	ug/l		91
14) Acrylonitrile	3.13	53	26445	24.798	ug/l		99
15) Acetone	2.43	58	8327	22.056	ug/l		85
16) Carbon Disulfide	2.56	76	24207	4.899	ug/l	#	94
17) Allyl chloride	2.72	41	14917	4.811	ug/l		98
18) Methylene Chloride	2.84	84	11080	5.331	ug/l		97
19) trans-1,2-Dichloroethene	3.15	96	10015	5.119	ug/l		89
20) Diisopropyl ether	3.84	45	30770	5.173	ug/l		92
21) 1,1-Dichloroethane	3.69	63	17491	5.099	ug/l		98
22) cis-1,2-Dichloroethene	4.58	96	11064	4.921	ug/l		97
23) tert-Butyl Alcohol	3.03	59	16937	31.435	ug/l	#	100
24) Methyl tert-Butyl Ether	3.19	73	30986	4.976	ug/l		96
25) Chloroform	5.20	83	18352	5.174	ug/l		91
26) Cyclohexane	5.57	56	15718	5.042	ug/l	#	98
29) 1,1-Dichloropropene	5.78	75	13983	5.315	ug/l		96
30) 2-Butanone	4.66	43	38355	24.750	ug/l		98
31) 2,2-Dichloropropane	4.57	77	14175	4.763	ug/l		99
32) 1,1,1-Trichloroethane	5.49	97	15740	5.114	ug/l		94
33) Carbon Tetrachloride	5.77	117	12468	4.722	ug/l		99
34) Benzene	6.14	78	40345	5.165	ug/l		98
35) Methacrylonitrile	5.04	41	7916m	5.209	ug/l		
36) 1,2-Dichloroethane	6.18	62	14414	5.104	ug/l		98
37) Trichloroethene	7.21	130	10427	4.997	ug/l		88
38) Methylcyclohexane	7.45	83	16279	5.056	ug/l		95
39) 1,2-Dichloropropane	7.51	63	10061	5.129	ug/l	#	88
40) Dibromomethane	7.65	93	7100	5.330	ug/l		96

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Bromodichloromethane	7.89	83	12400	4.688	ug/l		95
42) Vinyl Acetate	3.80	43	125359	24.702	ug/l		100
43) Ethyl Acetate	4.83	43	13296	4.767	ug/l	#	91
44) Isopropyl Acetate	6.43	43	22897	5.091	ug/l		97
45) 1,4-Dioxane	7.74	88	5624	101.747	ug/l	#	95
46) Methyl methacrylate	7.76	41	10803	4.915	ug/l		96
47) n-amyl Acetate	10.89	43	16674	4.354	ug/l		97
48) t-1,3-Dichloropropene	9.04	75	12696	4.337	ug/l		96
49) cis-1,3-Dichloropropene	8.43	75	14350	4.444	ug/l		97
50) 1,1,2-Trichloroethane	9.21	97	10036	4.992	ug/l		95
51) Ethyl methacrylate	9.17	69	14600	4.618	ug/l		97
52) 1,3-Dichloropropane	9.37	76	18014	5.339	ug/l		96
53) Dibromochloromethane	9.58	129	9196	4.454	ug/l		96
54) 1,2-Dibromoethane	9.67	107	10008	4.733	ug/l		91
55) 2-Chloroethyl vinyl ether	8.31	63	34345	24.691	ug/l		100
56) Bromoform	10.85	173	5664	3.943	ug/l		95
58) 4-Methyl-2-Pentanone	8.64	43	71233	25.902	ug/l		99
59) 2-Hexanone	9.49	43	51349	23.927	ug/l		100
61) Tetrachloroethene	9.33	164	9976	5.181	ug/l		87
62) Toluene	8.78	91	43461	5.291	ug/l		99
64) Chlorobenzene	10.14	112	26392	5.056	ug/l		95
65) 1,1,1,2-Tetrachloroethane	10.21	131	9065	4.728	ug/l		97
66) Ethyl Benzene	10.25	91	46449	4.955	ug/l		97
67) m/p-Xylenes	10.35	106	34806	9.868	ug/l		97
68) o-Xylene	10.70	106	17178	5.001	ug/l		99
69) Styrene	10.71	104	26605	4.500	ug/l		98
70) Isopropylbenzene	11.01	105	44856	4.890	ug/l		98
71) 1,1,2,2-Tetrachloroethane	11.26	83	13990	4.686	ug/l		95
72) 1,2,3-Trichloropropane	11.29	75	13960m	5.624	ug/l		
73) Bromobenzene	11.25	156	10588	4.839	ug/l		100
74) n-propylbenzene	11.35	91	48647	4.748	ug/l		100
75) 2-Chlorotoluene	11.42	91	32002	5.098	ug/l		96
76) 1,3,5-Trimethylbenzene	11.50	105	37304	4.779	ug/l		98
77) t-1,4-Dichloro-2-butene	11.07	75	3609	3.757	ug/l		89
78) 4-Chlorotoluene	11.51	91	34667	4.776	ug/l		99
79) tert-butylbenzene	11.76	119	36392	4.956	ug/l		98
80) 1,2,4-Trimethylbenzene	11.81	105	37022	4.756	ug/l		97
81) sec-Butylbenzene	11.94	105	40856	4.619	ug/l		100
82) p-Isopropyltoluene	12.06	119	36443	4.518	ug/l		99
83) 1,3-Dichlorobenzene	12.02	146	19014	4.795	ug/l		97
84) 1,4-Dichlorobenzene	12.09	146	19623	4.920	ug/l		99
85) n-Butylbenzene	12.38	91	28356	4.119	ug/l		98
86) Hexachloroethane	12.59	117	5912	4.230	ug/l		100
87) 1,2-Dichlorobenzene	12.38	146	19140	4.894	ug/l		97
88) 1,2-Dibromo-3-Chloropropan	12.99	75	3144	4.586	ug/l		90
89) 1,2,4-Trichlorobenzene	13.64	180	11080	4.540	ug/l		96
90) Hexachlorobutadiene	13.77	225	5017	4.332	ug/l		90
91) Naphthalene	13.83	128	34572	4.165	ug/l		98
92) 1,2,3-Trichlorobenzene	14.02	180	11300	4.623	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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