Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101619\
Data File : VX013095.D
Acq On : 16 Oct 2019 14:49
Operator : JC/SP
Sample : K5111-07 2.5PPB LOD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : LOD-MDL-WATER-01-QT4-2019

Manual Integrations APPROVED
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10/18/2019 4:53:59 PM

Quant Time: Oct 17 03:37:33 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	30162	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.85	114	173937	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.11	117	153249	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.05	65	68772	29.73	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 99.10%				
60) 4-Bromofluorobenzene	11.13	95	75035	27.97	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 93.23%				
63) Toluene-d8	8.71	98	209761	30.00	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 100.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.19	85	5092	2.504	ug/l		99
3) Chloromethane	1.32	50	5188	2.599	ug/l		89
4) Vinyl Chloride	1.40	62	5198	2.611	ug/l		98
5) Bromomethane	1.63	94	3822	4.108	ug/l		89
6) Chloroethane	1.72	64	3798	3.103	ug/l		99
7) Trichlorofluoromethane	1.92	101	7416	2.535	ug/l		100
8) Diethyl Ether	2.17	74	2882	2.677	ug/l		99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4811	2.609	ug/l		96
10) 1,1-Dichloroethene	2.36	96	4577	2.523	ug/l		93
11) Methyl Iodide	2.50	142	3731	1.682	ug/l		93
12) Methyl Acetate	2.76	43	6536	2.576	ug/l		97
13) Acrolein	2.28	56	3989	10.927	ug/l		99
14) Acrylonitrile	3.13	53	13483	12.733	ug/l		98
15) Acetone	2.43	58	4366	11.647	ug/l		98
16) Carbon Disulfide	2.56	76	13281	2.707	ug/l	#	95
17) Allyl chloride	2.72	41	7381	2.397	ug/l		89
18) Methylene Chloride	2.85	84	5603	2.715	ug/l		92
19) trans-1,2-Dichloroethene	3.16	96	5162	2.657	ug/l		89
20) Diisopropyl ether	3.84	45	14915	2.525	ug/l	#	92
21) 1,1-Dichloroethane	3.69	63	8466	2.485	ug/l		95
22) cis-1,2-Dichloroethene	4.59	96	5556	2.489	ug/l		96
23) tert-Butyl Alcohol	3.03	59	10135	18.944	ug/l	#	100
24) Methyl tert-Butyl Ether	3.18	73	15414	2.493	ug/l		97
25) Chloroform	5.19	83	9273	2.633	ug/l		84
26) Cyclohexane	5.56	56	7703	2.489	ug/l	#	96
29) 1,1-Dichloropropene	5.78	75	6428	2.423	ug/l		88
30) 2-Butanone	4.66	43	18506	11.842	ug/l	#	79
31) 2,2-Dichloropropane	4.57	77	7128	2.375	ug/l		91
32) 1,1,1-Trichloroethane	5.48	97	7612	2.453	ug/l		99
33) Carbon Tetrachloride	5.77	117	5893m	2.213	ug/l		
34) Benzene	6.13	78	20442	2.595	ug/l		96
35) Methacrylonitrile	5.04	41	3593m	2.345	ug/l		
36) 1,2-Dichloroethane	6.19	62	7555	2.653	ug/l		98
37) Trichloroethene	7.21	130	5098	2.423	ug/l		89
38) Methylcyclohexane	7.45	83	7701	2.372	ug/l		95
39) 1,2-Dichloropropane	7.51	63	4698	2.375	ug/l	#	87
40) Dibromomethane	7.65	93	3516	2.617	ug/l		91

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Bromodichloromethane	7.89	83	6005	2.251	ug/l		87
42) Vinyl Acetate	3.80	43	60308	11.784	ug/l		100
43) Ethyl Acetate	4.83	43	5798	2.062	ug/l	#	90
44) Isopropyl Acetate	6.43	43	10821	2.386	ug/l		98
45) 1,4-Dioxane	7.74	88	2704	48.510	ug/l	#	83
46) Methyl methacrylate	7.76	41	5345	2.411	ug/l		89
47) n-amyl Acetate	10.89	43	8307	2.151	ug/l		99
48) t-1,3-Dichloropropene	9.04	75	6143	2.081	ug/l		100
49) cis-1,3-Dichloropropene	8.43	75	6637	2.038	ug/l		99
50) 1,1,2-Trichloroethane	9.21	97	4752	2.344	ug/l		97
51) Ethyl methacrylate	9.17	69	7020	2.202	ug/l		92
52) 1,3-Dichloropropane	9.37	76	8105	2.382	ug/l		95
53) Dibromochloromethane	9.58	129	4127	1.982	ug/l		92
54) 1,2-Dibromoethane	9.67	107	5158	2.419	ug/l		98
55) 2-Chloroethyl vinyl ether	8.31	63	16054	11.445	ug/l		98
56) Bromoform	10.86	173	2733	1.887	ug/l	#	95
58) 4-Methyl-2-Pentanone	8.64	43	32935	11.811	ug/l		99
59) 2-Hexanone	9.49	43	24537	11.276	ug/l		99
61) Tetrachloroethene	9.33	164	5109	2.617	ug/l	#	88
62) Toluene	8.78	91	21280	2.555	ug/l		99
64) Chlorobenzene	10.14	112	13218	2.497	ug/l		94
65) 1,1,1,2-Tetrachloroethane	10.21	131	4519	2.325	ug/l		98
66) Ethyl Benzene	10.25	91	23174	2.438	ug/l		99
67) m/p-Xylenes	10.36	106	17751	4.964	ug/l		97
68) o-Xylene	10.70	106	8503	2.442	ug/l		93
69) Styrene	10.71	104	13584	2.266	ug/l		100
70) Isopropylbenzene	11.01	105	21357	2.296	ug/l		99
71) 1,1,2,2-Tetrachloroethane	11.26	83	7007	2.315	ug/l		95
72) 1,2,3-Trichloropropane	11.29	75	5872m	2.333	ug/l		
73) Bromobenzene	11.25	156	5776	2.604	ug/l		92
74) n-propylbenzene	11.35	91	24028	2.313	ug/l		100
75) 2-Chlorotoluene	11.42	91	14956	2.350	ug/l		99
76) 1,3,5-Trimethylbenzene	11.50	105	17983	2.272	ug/l		98
77) t-1,4-Dichloro-2-butene	11.07	75	1699	1.744	ug/l		83
78) 4-Chlorotoluene	11.51	91	17458	2.372	ug/l		94
79) tert-butylbenzene	11.76	119	17061	2.291	ug/l		97
80) 1,2,4-Trimethylbenzene	11.81	105	17546	2.223	ug/l		95
81) sec-Butylbenzene	11.94	105	19637	2.189	ug/l		100
82) p-Isopropyltoluene	12.06	119	17924	2.192	ug/l		100
83) 1,3-Dichlorobenzene	12.03	146	9534	2.371	ug/l		97
84) 1,4-Dichlorobenzene	12.09	146	9973	2.466	ug/l		98
85) n-Butylbenzene	12.39	91	13637	1.953	ug/l		94
86) Hexachloroethane	12.59	117	2766	1.952	ug/l		94
87) 1,2-Dichlorobenzene	12.39	146	9535	2.404	ug/l		99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	1550	2.230	ug/l		94
89) 1,2,4-Trichlorobenzene	13.64	180	5630	2.275	ug/l		99
90) Hexachlorobutadiene	13.78	225	2838	2.417	ug/l		95
91) Naphthalene	13.83	128	16876	2.005	ug/l		99
92) 1,2,3-Trichlorobenzene	14.01	180	5619	2.267	ug/l		94

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

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