Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX050219\
Data File : VX009268.D
Acq On : 02 May 2019 11:27
Operator : JC/SP
Sample : K2241-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : LOQ-WATER-02-QT2-2019

Manual Integrations APPROVED
MMDadoda
5/3/2019 11:19:41 AM

Quant Time: May 03 07:23:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.01	128	32034	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.86	114	182535	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.11	117	159588	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.06	65	77764	29.26	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 97.53%				
60) 4-Bromofluorobenzene	11.13	95	81600	30.09	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 100.30%				
63) Toluene-d8	8.71	98	233969	30.92	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 103.07%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	15303	8.990	ug/l		97
3) Chloromethane	1.32	50	21169	9.252	ug/l		97
4) Vinyl Chloride	1.41	62	20795	9.111	ug/l		99
5) Bromomethane	1.64	94	12749	8.811	ug/l		95
6) Chloroethane	1.71	64	13194	8.814	ug/l		99
7) Trichlorofluoromethane	1.92	101	26710	9.477	ug/l		96
8) Diethyl Ether	2.19	74	13341	10.194	ug/l		98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	17348	9.941	ug/l		98
10) 1,1-Dichloroethene	2.37	96	17075	9.745	ug/l		97
11) Methyl Iodide	2.51	142	15456	8.115	ug/l		99
12) Methyl Acetate	2.78	43	35513	10.761	ug/l		99
13) Acrolein	2.29	56	25520	56.379	ug/l		98
14) Acrylonitrile	3.14	53	74278	51.861	ug/l		100
15) Acetone	2.45	58	20342	49.468	ug/l		98
16) Carbon Disulfide	2.56	76	38899	8.205	ug/l		96
17) Allyl chloride	2.73	41	39870	9.478	ug/l		93
18) Methylene Chloride	2.85	84	21291	10.054	ug/l		95
19) trans-1,2-Dichloroethene	3.16	96	17593	9.417	ug/l		86
20) Diisopropyl ether	3.85	45	84285	10.175	ug/l		100
21) 1,1-Dichloroethane	3.70	63	40332	10.061	ug/l		98
22) cis-1,2-Dichloroethene	4.59	96	21940	9.750	ug/l		93
23) tert-Butyl Alcohol	3.06	59	30668	50.639	ug/l	#	100
24) Methyl tert-Butyl Ether	3.20	73	68458	9.984	ug/l		100
25) Chloroform	5.21	83	37507	10.252	ug/l		96
26) Cyclohexane	5.57	56	35459	9.491	ug/l	#	99
29) 1,1-Dichloropropene	5.80	75	26720	9.976	ug/l		99
30) 2-Butanone	4.67	43	110055	52.468	ug/l		99
31) 2,2-Dichloropropane	4.59	77	29742	10.073	ug/l		99
32) 1,1,1-Trichloroethane	5.49	97	30153	10.385	ug/l		96
33) Carbon Tetrachloride	5.78	117	24798	10.208	ug/l		98
34) Benzene	6.14	78	85237	10.322	ug/l		99
35) Methacrylonitrile	5.05	41	23167	10.557	ug/l		95
36) 1,2-Dichloroethane	6.19	62	30355	10.131	ug/l		100
37) Trichloroethene	7.21	130	20156	10.140	ug/l		96
38) Methylcyclohexane	7.46	83	32381	9.785	ug/l		100
39) 1,2-Dichloropropane	7.51	63	24683	10.497	ug/l		100
40) Dibromomethane	7.66	93	13763	10.312	ug/l		98

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Bromodichloromethane	7.90	83	27527	10.097 ug/l	98
42) Vinyl Acetate	3.81	43	347993	50.267 ug/l	100
43) Ethyl Acetate	4.84	43	41129	10.851 ug/l	98
44) Isopropyl Acetate	6.45	43	62254	10.139 ug/l	100
45) 1,4-Dioxane	7.74	88	12640	209.673 ug/l	96
46) Methyl methacrylate	7.77	41	30737	10.029 ug/l	97
47) n-amyl Acetate	10.90	43	55132	9.967 ug/l	99
48) t-1,3-Dichloropropene	9.04	75	30156	9.481 ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	33953	9.723 ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	21821	10.672 ug/l	97
51) Ethyl methacrylate	9.18	69	37255	9.859 ug/l	97
52) 1,3-Dichloropropane	9.37	76	37998	10.471 ug/l	99
53) Dibromochloromethane	9.58	129	20296	9.967 ug/l	100
54) 1,2-Dibromoethane	9.67	107	21843	10.416 ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	104494	51.897 ug/l	99
56) Bromoform	10.85	173	14956	9.568 ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	212441	54.138 ug/l	99
59) 2-Hexanone	9.49	43	169245	54.988 ug/l	100
61) Tetrachloroethene	9.34	164	19541	11.107 ug/l	94
62) Toluene	8.78	91	89900	10.542 ug/l	99
64) Chlorobenzene	10.14	112	53783	10.479 ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	19519	10.387 ug/l	99
66) Ethyl Benzene	10.25	91	98181	10.335 ug/l	99
67) m/p-Xylenes	10.36	106	71308	20.559 ug/l	100
68) o-Xylene	10.69	106	34938	10.244 ug/l	99
69) Styrene	10.71	104	61410	10.257 ug/l	99
70) Isopropylbenzene	11.02	105	95234	10.383 ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	36609	10.898 ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	31703m	10.952 ug/l	
73) Bromobenzene	11.26	156	23589	10.409 ug/l	97
74) n-propylbenzene	11.36	91	107421	10.106 ug/l	98
75) 2-Chlorotoluene	11.42	91	66476	10.427 ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	80796	10.399 ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	10851	9.293 ug/l	92
78) 4-Chlorotoluene	11.51	91	73197	10.109 ug/l	99
79) tert-butylbenzene	11.77	119	77366	10.300 ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	81192	10.426 ug/l	99
81) sec-Butylbenzene	11.94	105	91565	10.261 ug/l	99
82) p-Isopropyltoluene	12.06	119	83841	10.328 ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	41828	10.335 ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	42411	10.518 ug/l	98
85) n-Butylbenzene	12.38	91	72166	9.716 ug/l	99
86) Hexachloroethane	12.60	117	13170	9.535 ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	43119	10.584 ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	7791	9.981 ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	28426	9.790 ug/l	99
90) Hexachlorobutadiene	13.78	225	14777	10.188 ug/l	100
91) Naphthalene	13.83	128	93499	9.835 ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	28824	9.765 ug/l	98

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

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