Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX050119\
Data File : VX009259.D
Acq On : 01 May 2019 17:14
Operator : JC/SP
Sample : K2241-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : LOD-MDL-WATER-01-QT2-2019

Manual Integrations APPROVED
MMDadoda
5/2/2019 10:53:36 AM

Quant Time: May 02 07:03:56 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	34913	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.85	114	204227	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.11	117	177603	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.06	65	85567	29.54	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 98.47%				
60) 4-Bromofluorobenzene	11.13	95	88165	29.21	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 97.37%				
63) Toluene-d8	8.71	98	257830	30.62	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 102.07%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	4509	2.431	ug/l		96
3) Chloromethane	1.32	50	6408	2.570	ug/l		95
4) Vinyl Chloride	1.40	62	6027	2.423	ug/l		93
5) Bromomethane	1.64	94	4152	2.633	ug/l		100
6) Chloroethane	1.72	64	3890	2.384	ug/l		98
7) Trichlorofluoromethane	1.93	101	7929	2.581	ug/l		96
8) Diethyl Ether	2.18	74	3574	2.506	ug/l		94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5167	2.717	ug/l		99
10) 1,1-Dichloroethene	2.37	96	4898	2.565	ug/l		96
11) Methyl Iodide	2.51	142	3582	1.726	ug/l		93
12) Methyl Acetate	2.77	43	10179	2.830	ug/l		99
13) Acrolein	2.29	56	7577	15.359	ug/l		96
14) Acrylonitrile	3.14	53	19344	12.392	ug/l		98
15) Acetone	2.44	58	5621	12.542	ug/l		97
16) Carbon Disulfide	2.57	76	12204	2.362	ug/l		97
17) Allyl chloride	2.73	41	11267	2.458	ug/l		98
18) Methylene Chloride	2.85	84	6045	2.619	ug/l		97
19) trans-1,2-Dichloroethene	3.16	96	5289	2.598	ug/l		92
20) Diisopropyl ether	3.85	45	23769	2.633	ug/l		92
21) 1,1-Dichloroethane	3.69	63	11199	2.563	ug/l		100
22) cis-1,2-Dichloroethene	4.59	96	6419	2.617	ug/l		99
23) tert-Butyl Alcohol	3.04	59	7966	12.069	ug/l	#	100
24) Methyl tert-Butyl Ether	3.19	73	19328	2.586	ug/l		100
25) Chloroform	5.21	83	10555	2.647	ug/l		93
26) Cyclohexane	5.58	56	10556	2.592	ug/l	#	97
29) 1,1-Dichloropropene	5.79	75	7759	2.589	ug/l		84
30) 2-Butanone	4.67	43	28822	12.281	ug/l		98
31) 2,2-Dichloropropane	4.59	77	8685	2.629	ug/l		99
32) 1,1,1-Trichloroethane	5.49	97	8409m	2.588	ug/l		
33) Carbon Tetrachloride	5.78	117	6728	2.475	ug/l		97
34) Benzene	6.14	78	23536	2.548	ug/l		96
35) Methacrylonitrile	5.04	41	5761	2.346	ug/l		92
36) 1,2-Dichloroethane	6.18	62	8442	2.518	ug/l	#	89
37) Trichloroethene	7.21	130	5895	2.651	ug/l		80
38) Methylcyclohexane	7.46	83	9732	2.629	ug/l		98
39) 1,2-Dichloropropane	7.51	63	6993	2.658	ug/l		97
40) Dibromomethane	7.66	93	3974	2.661	ug/l		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Bromodichloromethane	7.89	83	7286	2.389	ug/l		93
42) Vinyl Acetate	3.81	43	92310	11.918	ug/l		100
43) Ethyl Acetate	4.83	43	9529	2.247	ug/l		96
44) Isopropyl Acetate	6.44	43	16754	2.439	ug/l		97
45) 1,4-Dioxane	7.74	88	3542	52.514	ug/l	#	91
46) Methyl methacrylate	7.77	41	7696	2.244	ug/l		94
47) n-amyl Acetate	10.90	43	14140	2.285	ug/l		98
48) t-1,3-Dichloropropene	9.04	75	7971	2.240	ug/l		91
49) cis-1,3-Dichloropropene	8.43	75	9253	2.368	ug/l		96
50) 1,1,2-Trichloroethane	9.21	97	5708	2.495	ug/l		94
51) Ethyl methacrylate	9.18	69	9582	2.267	ug/l		97
52) 1,3-Dichloropropane	9.37	76	10455	2.575	ug/l		97
53) Dibromochloromethane	9.58	129	5409	2.374	ug/l		94
54) 1,2-Dibromoethane	9.67	107	5766	2.457	ug/l		99
55) 2-Chloroethyl vinyl ether	8.30	63	27265	12.103	ug/l		99
56) Bromoform	10.85	173	3811	2.179	ug/l	#	96
58) 4-Methyl-2-Pentanone	8.64	43	54865	12.563	ug/l		99
59) 2-Hexanone	9.49	43	42329	12.358	ug/l		99
61) Tetrachloroethene	9.34	164	5402	2.759	ug/l		97
62) Toluene	8.78	91	24486	2.580	ug/l		98
64) Chlorobenzene	10.13	112	14598	2.556	ug/l		94
65) 1,1,1,2-Tetrachloroethane	10.22	131	5260	2.515	ug/l		97
66) Ethyl Benzene	10.25	91	27380	2.590	ug/l		97
67) m/p-Xylenes	10.35	106	19930	5.163	ug/l		99
68) o-Xylene	10.69	106	9861	2.598	ug/l		100
69) Styrene	10.71	104	16090	2.415	ug/l		97
70) Isopropylbenzene	11.02	105	27221	2.667	ug/l		98
71) 1,1,2,2-Tetrachloroethane	11.27	83	9515	2.545	ug/l		98
72) 1,2,3-Trichloropropane	11.29	75	8221m	2.552	ug/l		
73) Bromobenzene	11.26	156	6444	2.555	ug/l		99
74) n-propylbenzene	11.36	91	29854	2.524	ug/l		100
75) 2-Chlorotoluene	11.42	91	18767	2.645	ug/l		98
76) 1,3,5-Trimethylbenzene	11.51	105	21940	2.537	ug/l		98
77) t-1,4-Dichloro-2-butene	11.07	75	2713	2.088	ug/l		98
78) 4-Chlorotoluene	11.51	91	20566	2.552	ug/l		100
79) tert-butylbenzene	11.77	119	21442	2.565	ug/l		98
80) 1,2,4-Trimethylbenzene	11.80	105	21645	2.498	ug/l		99
81) sec-Butylbenzene	11.94	105	25419	2.560	ug/l		99
82) p-Isopropyltoluene	12.06	119	22356	2.475	ug/l		97
83) 1,3-Dichlorobenzene	12.02	146	11780	2.615	ug/l		95
84) 1,4-Dichlorobenzene	12.10	146	11192	2.494	ug/l		99
85) n-Butylbenzene	12.38	91	19501	2.359	ug/l		98
86) Hexachloroethane	12.59	117	3382	2.200	ug/l		93
87) 1,2-Dichlorobenzene	12.39	146	11440	2.523	ug/l		98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	2005	2.308	ug/l		97
89) 1,2,4-Trichlorobenzene	13.65	180	7647	2.366	ug/l		99
90) Hexachlorobutadiene	13.78	225	4038	2.502	ug/l		96
91) Naphthalene	13.83	128	24115	2.279	ug/l		98
92) 1,2,3-Trichlorobenzene	14.02	180	8095	2.464	ug/l		96

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

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