Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050619\
Data File : VU031791.D
Acq On : 06 May 2019 19:49
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD05036

Manual Integrations APPROVED
MMDadoda
5/7/2019 5:15:40 PM

Quant Time: May 07 09:44:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue May 07 08:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	665718	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	651175	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	285891	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	226376	40.63	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 81.26%			
7) Chloroethane-d5	1.68	69	184627	42.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.76%			
11) 1,1-Dichloroethene-d2	2.27	63	507198	45.71	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.42%			
21) 2-Butanone-d5	4.18	46	688487	136.39	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 136.39%#			
24) Chloroform-d	4.64	84	507626	49.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.50%			
26) 1,2-Dichloroethane-d4	5.31	65	351367	52.71	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.42%			
32) Benzene-d6	5.33	84	903430	45.18	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.36%			
36) 1,2-Dichloropropane-d6	6.33	67	344993	49.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.08%			
41) Toluene-d8	7.56	98	745407	42.80	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 85.60%			
43) trans-1,3-Dichloropropene-	7.85	79	147658	48.90	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.80%			
47) 2-Hexanone-d5	8.31	63	401666	131.91	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 131.91%#			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	496306	52.57	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 105.14%			
64) 1,2-Dichlorobenzene-d4	11.85	152	274730	45.69	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.38%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	340022	46.448	ug/L	100
3) Chloromethane	1.32	50	423398	47.803	ug/L	99
5) Vinyl chloride	1.40	62	388591	46.927	ug/L	99
6) Bromomethane	1.63	94	182543	41.801	ug/L	98
8) Chloroethane	1.69	64	216052	47.731	ug/L	98
9) Trichlorofluoromethane	1.88	101	445084	47.150	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	250439	46.932	ug/L	98
12) 1,1-Dichloroethene	2.28	96	252840	48.679	ug/L	85
13) Acetone	2.33	43	494879	87.030	ug/L	96
14) Carbon disulfide	2.47	76	745248	43.239	ug/L	100
15) Methyl Acetate	2.62	43	509049	59.164	ug/L	99
16) Methylene chloride	2.70	84	312071	50.912	ug/L	89
17) trans-1,2-Dichloroethene	2.98	96	267213	49.374	ug/L	98
18) Methyl tert-butyl Ether	2.99	73	1043292	60.506	ug/L	99
19) 1,1-Dichloroethane	3.44	63	629844	55.260	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	312810m	53.882	ug/L	
22) 2-Butanone	4.27	43	764343	121.327	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	4.54	128	139296	49.378 ug/L	91
25) Chloroform	4.67	83	579167	53.138 ug/L	99
27) 1,2-Dichloroethane	5.40	62	492345	55.613 ug/L	96
29) Cyclohexane	4.99	56	569182	55.229 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	470950	51.619 ug/L	98
31) Carbon tetrachloride	5.13	117	386066	49.507 ug/L	99
33) Benzene	5.38	78	1272644	53.157 ug/L	100
34) Trichloroethene	6.18	95	308362	53.135 ug/L	92
35) Methylcyclohexane	6.41	83	453049	52.090 ug/L	97
37) 1,2-Dichloropropane	6.43	63	373646	54.975 ug/L	99
38) Bromodichloromethane	6.75	83	434138	52.681 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	514370	57.274 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1354613	129.542 ug/L	97
42) Toluene	7.63	91	1284930	53.879 ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	451034	55.371 ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	299150	53.389 ug/L	96
46) Tetrachloroethene	8.22	164	188103	47.544 ug/L	98
48) 2-Hexanone	8.36	43	1072474	126.808 ug/L	96
49) Dibromochloromethane	8.47	129	300076	51.471 ug/L	100
50) 1,2-Dibromoethane	8.58	107	312783	52.855 ug/L	97
51) Chlorobenzene	9.12	112	733184	52.025 ug/L	96
52) Ethylbenzene	9.25	91	1384391	55.962 ug/L	99
53) m,p-Xylene	9.37	106	480766	55.779 ug/L	99
54) o-xylene	9.77	106	478768	56.029 ug/L	97
55) Styrene	9.79	104	826472	56.612 ug/L	96
56) Isopropylbenzene	10.16	105	1257792	55.977 ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	547140	55.029 ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	449409	55.770 ug/L	98
61) Bromoform	9.95	173	207345	48.926 ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	503740	53.230 ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	505282	51.555 ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	520876	51.788 ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	129528	55.490 ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	350217	49.410 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	325070	57.931 ug/L	99
69) Naphthalene	13.74	128	1792699	93.702 ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	345599	54.097 ug/L	99

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

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