Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028907.D
Acq On : 22 Dec 2018 04:45
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD05045

Manual Integrations APPROVED
MMDadoda
12/24/2018 9:04:05 AM

Quant Time: Dec 22 06:09:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 22 01:55:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	170987	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	164463	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	76258	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	69423	50.64	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 101.28%			
7) Chloroethane-d5	1.67	69	55656	52.57	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.14%			
11) 1,1-Dichloroethene-d2	2.27	63	118433	51.38	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 102.76%			
21) 2-Butanone-d5	4.18	46	113391	118.07	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 118.07%			
24) Chloroform-d	4.65	84	118601	55.02	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 110.04%			
26) 1,2-Dichloroethane-d4	5.31	65	71212	53.59	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 107.18%			
32) Benzene-d6	5.34	84	252183	54.28	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 108.56%			
36) 1,2-Dichloropropane-d6	6.33	67	85041	53.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 107.76%			
41) Toluene-d8	7.56	98	224671	53.36	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.72%			
43) trans-1,3-Dichloropropene-	7.85	79	34330	48.54	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.08%			
47) 2-Hexanone-d5	8.31	63	88265	117.74	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 117.74%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	123331	56.32	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 112.64%			
64) 1,2-Dichlorobenzene-d4	11.86	152	82529	53.51	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	69362	49.748	ug/L	98
3) Chloromethane	1.33	50	94428	49.807	ug/L	100
5) Vinyl chloride	1.40	62	87663	52.340	ug/L	97
6) Bromomethane	1.61	94	37518	52.588	ug/L	100
8) Chloroethane	1.68	64	50657	52.988	ug/L	99
9) Trichlorofluoromethane	1.88	101	89311	52.146	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	54519	49.199	ug/L	99
12) 1,1-Dichloroethene	2.28	96	55972	51.054	ug/L	87
13) Acetone	2.32	43	69288	70.793	ug/L	99
14) Carbon disulfide	2.47	76	191005	49.891	ug/L	99
15) Methyl Acetate	2.61	43	82342	53.963	ug/L	100
16) Methylene chloride	2.70	84	71817	53.119	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	62146	52.322	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	196508	53.803	ug/L	100
19) 1,1-Dichloroethane	3.44	63	122442	53.030	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	71402	53.067	ug/L	95
22) 2-Butanone	4.26	43	113924	95.586	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028907.D
Acq On : 22 Dec 2018 04:45
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Manual Integrations APPROVED
MMDadoda
12/24/2018 9:04:05 AM

Quant Time: Dec 22 06:09:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 22 01:55:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	4.55	128	33970	52.961 ug/L	98
25) Chloroform	4.67	83	118302	53.832 ug/L	99
27) 1,2-Dichloroethane	5.40	62	89969	55.087 ug/L	99
29) Cyclohexane	4.99	56	109873	50.195 ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	92930	53.386 ug/L	99
31) Carbon tetrachloride	5.13	117	74034	52.741 ug/L	97
33) Benzene	5.39	78	281590	53.781 ug/L	100
34) Trichloroethene	6.18	95	66095	52.287 ug/L	99
35) Methylcyclohexane	6.41	83	101849	48.376 ug/L	100
37) 1,2-Dichloropropane	6.43	63	79048	54.009 ug/L	100
38) Bromodichloromethane	6.76	83	87048	53.706 ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	101615	48.698 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	217160	110.387 ug/L	100
42) Toluene	7.64	91	287966	54.256 ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	90583	48.700 ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	67687	54.089 ug/L	98
46) Tetrachloroethene	8.22	164	49291	50.630 ug/L	100
48) 2-Hexanone	8.36	43	170027	105.303 ug/L	99
49) Dibromochloromethane	8.48	129	65377	52.449 ug/L	99
50) 1,2-Dibromoethane	8.58	107	70737	54.329 ug/L	99
51) Chlorobenzene	9.12	112	174949	52.301 ug/L	99
52) Ethylbenzene	9.25	91	300980	52.775 ug/L	98
53) m,p-Xylene	9.37	106	112200	53.203 ug/L	97
54) o-xylene	9.78	106	114680	54.256 ug/L	98
55) Styrene	9.79	104	194905	54.446 ug/L	99
56) Isopropylbenzene	10.17	105	283049	52.788 ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	123362	54.263 ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	93182	53.350 ug/L	99
61) Bromoform	9.96	173	49127	51.968 ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	127777	52.747 ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	128871	51.635 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	133106	52.673 ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.66	75	23018	52.807 ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	90520	50.681 ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	76466	51.125 ug/L	98
69) Naphthalene	13.74	128	275290m	53.014 ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	83438	51.735 ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028907.D
Acq On : 22 Dec 2018 04:45
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 22 06:09:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 22 01:55:05 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Manual Integrations APPROVED
MMDadoda
12/24/2018 9:04:05 AM