

Data File : VU033773.D
Acq On : 12 Aug 2019 15:50
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

Quant Time: Aug 12 16:26:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 12 04:45:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	387651	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	392372	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	210098	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	139761	48.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.96%
7) Chloroethane-d5	1.67	69	145753	50.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.92%
11) 1,1-Dichloroethene-d2	2.26	63	247682	51.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.24%
21) 2-Butanone-d5	4.16	46	175833	99.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.39%
24) Chloroform-d	4.62	84	238581	56.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.54%
26) 1,2-Dichloroethane-d4	5.29	65	143357	54.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.16%
32) Benzene-d6	5.32	84	462725	49.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.94%
36) 1,2-Dichloropropane-d6	6.31	67	147273	51.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.66%
41) Toluene-d8	7.55	98	423591	48.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.26%
43) trans-1,3-Dichloropropene-	7.83	79	68070	47.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.88%
47) 2-Hexanone-d5	8.30	63	126135	85.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.69%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	215602	51.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.58%
64) 1,2-Dichlorobenzene-d4	11.84	152	170703	48.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	148465	52.500 ug/L	98
3) Chloromethane	1.32	50	155434	53.067 ug/L	100
5) Vinyl chloride	1.39	62	179169	54.905 ug/L	99
6) Bromomethane	1.62	94	120881	45.658 ug/L	100
8) Chloroethane	1.69	64	139097	55.991 ug/L	98
9) Trichlorofluoromethane	1.87	101	245548	55.492 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	128503	55.374 ug/L	96
12) 1,1-Dichloroethene	2.27	96	119534	52.438 ug/L	97
13) Acetone	2.32	43	185297	104.175 ug/L	97
14) Carbon disulfide	2.46	76	339450	53.047 ug/L	100
15) Methyl Acetate	2.60	43	142614	48.121 ug/L	98
16) Methylene chloride	2.68	84	140834	53.246 ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	125274	51.277 ug/L	98
18) Methyl tert-butyl Ether	2.98	73	391126	48.948 ug/L	98
19) 1,1-Dichloroethane	3.42	63	248018	53.794 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	143796	51.600 ug/L	98
22) 2-Butanone	4.24	43	218731	98.802 ug/L	95

Data File : VU033773.D
Acq On : 12 Aug 2019 15:50
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

Quant Time: Aug 12 16:26:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 12 04:45:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	74462	51.932	ug/L	94
25) Chloroform	4.65	83	258547	53.759	ug/L	98
27) 1,2-Dichloroethane	5.38	62	200667	54.783	ug/L	98
29) Cyclohexane	4.97	56	196821	47.535	ug/L	97
30) 1,1,1-Trichloroethane	4.89	97	214352	50.343	ug/L	98
31) Carbon tetrachloride	5.11	117	191597	50.155	ug/L	98
33) Benzene	5.37	78	544929	49.905	ug/L	100
34) Trichloroethene	6.16	95	141185	49.003	ug/L	95
35) Methylcyclohexane	6.40	83	216847	49.444	ug/L	97
37) 1,2-Dichloropropane	6.41	63	151799	52.090	ug/L	100
38) Bromodichloromethane	6.74	83	191396	51.114	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	220202	47.549	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	390858	90.185	ug/L	98
42) Toluene	7.62	91	596815	50.522	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	206821	50.131	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	139695	49.037	ug/L	97
46) Tetrachloroethene	8.21	164	115347	48.566	ug/L	96
48) 2-Hexanone	8.35	43	314415	92.135	ug/L	98
49) Dibromochloromethane	8.46	129	157046	49.199	ug/L	97
50) 1,2-Dibromoethane	8.57	107	150281	47.712	ug/L	98
51) Chlorobenzene	9.10	112	378573	48.753	ug/L	99
52) Ethylbenzene	9.23	91	637595	49.340	ug/L	98
53) m,p-Xylene	9.36	106	245825	49.835	ug/L	98
54) o-xylene	9.76	106	239341	49.090	ug/L	100
55) Styrene	9.77	104	414642	50.680	ug/L	96
56) Isopropylbenzene	10.15	105	619005	48.380	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	241228	48.202	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	186950	47.454	ug/L	98
61) Bromoform	9.94	173	118265	46.892	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	302004	47.219	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	311948	48.152	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	309884	49.010	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	51696	43.276	ug/L	95
67) 1,3,5-Trichlorobenzene	12.87	180	232894	45.758	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	199982	43.430	ug/L	98
69) Naphthalene	13.73	128	582738	42.251	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	210505	44.221	ug/L	99

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

Data File : VU033773.D

```
Acq On       : 12 Aug 2019   15:50
Operator    : JC/SP
Sample      : VSTDCCC050EC
Misc        : 5.0mL/MSVOA_U/WATER
ALS Vial    : 16   Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

Quant Time: Aug 12 16:26:20 2019
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 12 04:45:27 2019
Response via : Initial Calibration

