

Data File : VU032048.D
Acq On : 16 May 2019 14:43
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Quant Time: May 30 01:10:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 29 09:03:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	423878	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	426160	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	193615	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	170752	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.68	69	144248	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.27	63	275785	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	4.20	46	361612	51.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.18%
24) Chloroform-d	4.64	84	309489	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.31	65	155318	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.33	84	640250	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.33	67	187646	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.56	98	582857	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	7.85	79	70533	5.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.20%
46) 2-Hexanone-d5	8.31	63	335995	54.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	156111	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	205639	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	110445	5.206	ug/L 97
3) Chloromethane	1.32	50	98011	4.814	ug/L 99
5) Vinyl chloride	1.40	62	108410	5.068	ug/L 98
6) Bromomethane	1.63	94	64221	5.209	ug/L 93
8) Chloroethane	1.69	64	67358	5.078	ug/L 100
9) Trichlorofluoromethane	1.88	101	134378	5.120	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	87571	5.036	ug/L 98
12) 1,1-Dichloroethene	2.28	96	87034	5.113	ug/L 85
13) Acetone	2.34	43	110896	48.189	ug/L 98
14) Carbon disulfide	2.47	76	273643	5.040	ug/L 97
15) Methyl Acetate	2.62	43	29323	4.444	ug/L 98
16) Methylene chloride	2.69	84	94090	4.631	ug/L 99
17) Methyl tert-butyl Ether	3.00	73	198657	4.964	ug/L 98
18) trans-1,2-Dichloroethene	2.97	96	92692	5.087	ug/L 100
19) 1,1-Dichloroethane	3.44	63	148882	5.151	ug/L 98
21) 2-Butanone	4.29	43	173328	52.473	ug/L 99
22) cis-1,2-Dichloroethene	4.22	96	90077	5.025	ug/L 92

Data File : VU032048.D
Acq On : 16 May 2019 14:43
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Quant Time: May 30 01:10:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 29 09:03:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	41582	5.406	ug/L	93
25) Chloroform	4.67	83	155500	5.031	ug/L	99
27) 1,2-Dichloroethane	5.40	62	91062	5.102	ug/L	98
29) 1,1,1-Trichloroethane	4.90	97	127687	5.136	ug/L	96
30) Cyclohexane	4.99	56	117302	5.131	ug/L	98
31) Carbon tetrachloride	5.13	117	108293	5.123	ug/L	99
33) Benzene	5.38	78	343347	5.247	ug/L	100
34) Trichloroethene	6.18	95	87678	4.940	ug/L	97
35) Methylcyclohexane	6.41	83	129733	5.076	ug/L	99
37) 1,2-Dichloropropane	6.43	63	80083	5.005	ug/L	99
38) Bromodichloromethane	6.75	83	103021	5.034	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	116438	5.263	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	399892	53.916	ug/L	100
42) Toluene	7.63	91	363037	5.297	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	91094	5.296	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	62237	5.266	ug/L	96
47) Tetrachloroethene	8.22	164	70697	5.328	ug/L	90
48) 2-Hexanone	8.36	43	316978	55.097	ug/L	99
49) Dibromochloromethane	8.47	129	69724	5.119	ug/L	98
50) 1,2-Dibromoethane	8.58	107	56707	5.007	ug/L #	98
51) Chlorobenzene	9.12	112	228076	5.269	ug/L	94
52) Ethylbenzene	9.25	91	360420	5.242	ug/L	99
53) m,p-Xylene	9.37	106	141320	5.411	ug/L	91
54) o-Xylene	9.77	106	137780	5.473	ug/L	98
55) Styrene	9.79	104	225264	5.277	ug/L	96
56) Isopropylbenzene	10.16	105	343825	5.344	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	73894	5.011	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	52670	5.183	ug/L	100
61) Bromoform	9.95	173	36917	4.968	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	163778	5.309	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	162745	5.069	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	165078	5.274	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	10069	4.930	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	125798	5.478	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	90628	5.456	ug/L	99
69) Naphthalene	13.74	128	143899	5.828	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	92955	5.769	ug/L	98

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

Data File : VU032048.D

```
Acq On       : 16 May 2019   14:43
Operator    : JC/SP
Sample      : VSTDCCC005
Misc       : 25.0mL/MSV0A_U/WATER
ALS Vial    : 9   Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Quant Time: May 30 01:10:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 29 09:03:42 2019
Response via : Initial Calibration

