

Data File : VU032100.D
Acq On : 17 May 2019 14:46
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Quant Time: May 30 01:16:29 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	386251	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	395475	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	176677	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	127189	3.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.20%
7) Chloroethane-d5	1.67	69	105645	3.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.00%
11) 1,1-Dichloroethene-d2	2.27	63	214315	4.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.60%
20) 2-Butanone-d5	4.20	46	287908	45.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.14%
24) Chloroform-d	4.64	84	265399	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.31	65	134044	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.33	84	532676	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.32	67	157940	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	7.56	98	476122	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.85	79	57158	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.31	63	263946	46.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.08%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	129372	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	170152	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	92329	4.776	ug/L 99
3) Chloromethane	1.32	50	76095	4.102	ug/L 97
5) Vinyl chloride	1.40	62	87779	4.503	ug/L 96
6) Bromomethane	1.62	94	64924	5.779	ug/L 98
8) Chloroethane	1.69	64	52160	4.315	ug/L 99
9) Trichlorofluoromethane	1.88	101	119739	5.007	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	76506	4.828	ug/L 96
12) 1,1-Dichloroethene	2.28	96	74069	4.775	ug/L # 69
13) Acetone	2.33	43	89828	42.836	ug/L 98
14) Carbon disulfide	2.47	76	229340	4.636	ug/L 98
15) Methyl Acetate	2.62	43	22890	3.807	ug/L 96
16) Methylene chloride	2.69	84	82659	4.465	ug/L 97
17) Methyl tert-butyl Ether	3.00	73	168874	4.631	ug/L 97
18) trans-1,2-Dichloroethene	2.97	96	81696	4.921	ug/L 94
19) 1,1-Dichloroethane	3.43	63	122888	4.666	ug/L 100
21) 2-Butanone	4.28	43	130990	43.519	ug/L 93
22) cis-1,2-Dichloroethene	4.22	96	79538	4.870	ug/L 88

Data File : VU032100.D
Acq On : 17 May 2019 14:46
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Quant Time: May 30 01:16:29 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	4.54	128	35341	5.042	ug/L	93
25) Chloroform	4.67	83	137841	4.894	ug/L	98
27) 1,2-Dichloroethane	5.40	62	76448	4.700	ug/L	98
29) 1,1,1-Trichloroethane	4.90	97	109545	4.748	ug/L	98
30) Cyclohexane	4.98	56	91747	4.324	ug/L	96
31) Carbon tetrachloride	5.12	117	96218	4.905	ug/L	97
33) Benzene	5.38	78	298847	4.921	ug/L	100
34) Trichloroethene	6.18	95	77885	4.728	ug/L	93
35) Methylcyclohexane	6.41	83	110974	4.679	ug/L	96
37) 1,2-Dichloropropane	6.43	63	69072	4.652	ug/L	100
38) Bromodichloromethane	6.75	83	90778	4.780	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	98273	4.787	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	301481	43.801	ug/L	98
42) Toluene	7.63	91	321788	5.060	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	79213	4.962	ug/L	94
45) 1,1,2-Trichloroethane	8.06	97	52135	4.753	ug/L	92
47) Tetrachloroethene	8.22	164	61610	5.003	ug/L	95
48) 2-Hexanone	8.36	43	238075	44.593	ug/L	97
49) Dibromochloromethane	8.47	129	63265	5.005	ug/L	90
50) 1,2-Dibromoethane	8.59	107	50366	4.792	ug/L	92
51) Chlorobenzene	9.12	112	196264	4.886	ug/L	94
52) Ethylbenzene	9.25	91	309541	4.852	ug/L	97
53) m,p-Xylene	9.37	106	122149	5.040	ug/L	96
54) o-Xylene	9.78	106	116429	4.984	ug/L	91
55) Styrene	9.79	104	201404	5.085	ug/L	95
56) Isopropylbenzene	10.16	105	298544	5.000	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	64945	4.746	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	45132	4.786	ug/L	97
61) Bromoform	9.95	173	34570	5.098	ug/L	96
62) 1,3-Dichlorobenzene	11.41	146	142345	5.057	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	145699	4.973	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	144507	5.060	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	8632	4.631	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	114402	5.460	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	80769	5.329	ug/L	96
69) Naphthalene	13.74	128	110951	4.925	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	78331	5.327	ug/L	98

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

Data File : VU032100.D

```
Acq On       : 17 May 2019   14:46
Operator     : JC/SP
Sample       : VSTDCCC005
Misc         : 25.0mL/MSV0A_U/WATER
ALS Vial     : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Quant Time: May 30 01:16:29 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

