

Data File : VU035034.D
Acq On : 10 Oct 2019 08:52
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Quant Time: Oct 11 02:39:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 11 02:30:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	212387	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	216933	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	110173	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	61965	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	1.68	69	54516	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.26	63	124733	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	4.18	46	178683	48.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.66%
24) Chloroform-d	4.62	84	112480	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.29	65	62949	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.32	84	219727	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.31	67	74657	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.80%
41) Toluene-d8	7.54	98	212448	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	7.83	79	26779	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.30	63	135763	46.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.28%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	65088	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	77393	4.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	95521	4.921	ug/L 98
3) Chloromethane	1.32	50	103464	4.859	ug/L 100
5) Vinyl chloride	1.40	62	102007	4.877	ug/L 98
6) Bromomethane	1.62	94	57897	4.980	ug/L 95
8) Chloroethane	1.69	64	62231	4.961	ug/L 96
9) Trichlorofluoromethane	1.88	101	127651	5.047	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	72361	4.982	ug/L 98
12) 1,1-Dichloroethene	2.27	96	66880	4.903	ug/L 83
13) Acetone	2.33	43	159288	52.604	ug/L 94
14) Carbon disulfide	2.46	76	204373	4.502	ug/L 99
15) Methyl Acetate	2.61	43	39370	4.884	ug/L 99
16) Methylene chloride	2.68	84	78421	4.643	ug/L 85
17) Methyl tert-butyl Ether	2.99	73	188428	5.063	ug/L 98
18) trans-1,2-Dichloroethene	2.96	96	70777	4.845	ug/L 94
19) 1,1-Dichloroethane	3.42	63	145914	5.026	ug/L 98
21) 2-Butanone	4.27	43	229589	53.242	ug/L 96
22) cis-1,2-Dichloroethene	4.20	96	77435	4.752	ug/L 88

Data File : VU035034.D
Acq On : 10 Oct 2019 08:52
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Quant Time: Oct 11 02:39:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 11 02:30:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	34427	5.041	ug/L	93
25) Chloroform	4.65	83	149428	4.581	ug/L	100
27) 1,2-Dichloroethane	5.38	62	95488	5.012	ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	115864	4.755	ug/L	97
30) Cyclohexane	4.97	56	127672	4.766	ug/L	93
31) Carbon tetrachloride	5.11	117	101038	4.783	ug/L	99
33) Benzene	5.36	78	315663	4.831	ug/L	100
34) Trichloroethene	6.16	95	79747	4.732	ug/L	98
35) Methylcyclohexane	6.39	83	127149	4.658	ug/L	98
37) 1,2-Dichloropropane	6.41	63	87307	4.953	ug/L	99
38) Bromodichloromethane	6.74	83	98280	4.756	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	115098	4.820	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	572011	51.561	ug/L	95
42) Toluene	7.61	91	339701	4.980	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	90477	4.892	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	58467	4.996	ug/L	94
47) Tetrachloroethene	8.21	164	64114	4.700	ug/L	93
48) 2-Hexanone	8.35	43	405159	53.265	ug/L	96
49) Dibromochloromethane	8.46	129	67039	4.956	ug/L	99
50) 1,2-Dibromoethane	8.57	107	56362	5.039	ug/L	98
51) Chlorobenzene	9.10	112	214997	4.864	ug/L	99
52) Ethylbenzene	9.23	91	368667	4.894	ug/L	100
53) m,p-Xylene	9.35	106	137964	4.958	ug/L	97
54) o-Xylene	9.76	106	136815	5.027	ug/L	99
55) Styrene	9.77	104	230850	5.238	ug/L	97
56) Isopropylbenzene	10.14	105	362284	4.997	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	80125	5.034	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	56186	4.924	ug/L	99
61) Bromoform	9.94	173	35643	4.717	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	167074	4.923	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	166043	4.847	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	157994	4.824	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.63	75	9904	4.759	ug/L	91
67) 1,3,5-Trichlorobenzene	12.86	180	111710	4.861	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	77669	4.525	ug/L	98
69) Naphthalene	13.72	128	106483	3.990	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	77432	4.639	ug/L	99

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

Data File : VU035034.D

Acq On : 10 Oct 2019 08:52

Operator : JC/SP

Sample : VSTDCCC005

Misc : 25.0mL/MSVOA U/WATER

```
ALS Vial      : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Quant Time: Oct 11 02:39:19 2019

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR100719WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Oct 11 02:30:55 2019

Response via : Initial Calibration

