

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052219\
 Data File : VU032222.D
 Acq On : 22 May 2019 15:01
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Quant Time: May 23 01:36:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 23 01:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	411056	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	398355	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	186855	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	105382	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.68	69	100854	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.27	63	196617	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.40%
20) 2-Butanone-d5	4.21	46	314584	48.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.62%
24) Chloroform-d	4.64	84	275572	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.31	65	150464	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.33	84	551155	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.33	67	178907	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.56	98	550989	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	7.85	79	71714	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.31	63	289024	54.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.84%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	180195	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	257197	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	89263	5.080 ug/L	96
3) Chloromethane	1.32	50	81186	4.608 ug/L	100
5) Vinyl chloride	1.40	62	87737	4.932 ug/L	95
6) Bromomethane	1.63	94	54656	4.849 ug/L	95
8) Chloroethane	1.70	64	52775	4.673 ug/L	97
9) Trichlorofluoromethane	1.88	101	113610	4.926 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	72412	4.975 ug/L	98
12) 1,1-Dichloroethene	2.28	96	73917	5.053 ug/L	89
13) Acetone	2.34	43	100307	49.719 ug/L	99
14) Carbon disulfide	2.47	76	220487	4.864 ug/L	99
15) Methyl Acetate	2.62	43	25499	4.307 ug/L	92
16) Methylene chloride	2.69	84	75259	3.857 ug/L	98
17) Methyl tert-butyl Ether	3.00	73	166433	5.046 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	75979	4.839 ug/L	95
19) 1,1-Dichloroethane	3.44	63	123277	5.084 ug/L	96
21) 2-Butanone	4.29	43	156752	51.503 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	75380	4.918 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	33246	4.908	ug/L	95
25) Chloroform	4.67	83	130628	4.988	ug/L	91
27) 1,2-Dichloroethane	5.40	62	77820	5.105	ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	105840	5.119	ug/L	100
30) Cyclohexane	4.99	56	97008	5.019	ug/L	99
31) Carbon tetrachloride	5.13	117	92471	5.077	ug/L	99
33) Benzene	5.38	78	288146	5.347	ug/L	100
34) Trichloroethene	6.18	95	71420	4.938	ug/L	91
35) Methylcyclohexane	6.41	83	108556	5.096	ug/L	100
37) 1,2-Dichloropropane	6.43	63	67729	5.220	ug/L	99
38) Bromodichloromethane	6.75	83	87303	5.178	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	91603	4.959	ug/L	95
40) 4-Methyl-2-pentanone	7.46	43	346538	52.841	ug/L	99
42) Toluene	7.63	91	305346	5.333	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	76294	5.256	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	52101	5.201	ug/L	96
47) Tetrachloroethene	8.22	164	59909	5.018	ug/L	97
48) 2-Hexanone	8.36	43	275659	54.802	ug/L	99
49) Dibromochloromethane	8.47	129	59973	5.259	ug/L	96
50) 1,2-Dibromoethane	8.58	107	50086	5.303	ug/L #	91
51) Chlorobenzene	9.12	112	188314	5.139	ug/L	99
52) Ethylbenzene	9.25	91	297945	5.170	ug/L	97
53) m,p-Xylene	9.37	106	118375	5.523	ug/L	97
54) o-Xylene	9.77	106	110815	5.174	ug/L	97
55) Styrene	9.79	104	189445	5.287	ug/L	99
56) Isopropylbenzene	10.16	105	293116	5.414	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	64274	5.326	ug/L	93
59) 1,2,3-Trichloropropane	10.49	75	43323	5.128	ug/L	96
61) Bromoform	9.95	173	33385	4.988	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	141781	5.136	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	143503	4.956	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	144201	5.149	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	9537	5.274	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	109719	5.222	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	81718	5.517	ug/L	98
69) Naphthalene	13.74	128	116365	5.135	ug/L	96
70) 1,2,3-Trichlorobenzene	13.98	180	83397	5.319	ug/L	97

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

