

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052319\
 Data File : VU032272.D
 Acq On : 23 May 2019 16:29
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Quant Time: May 24 01:40:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 24 01:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	360055	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	368529	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	167026	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81182	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.68	69	85554	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.27	63	163993	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.00%
20) 2-Butanone-d5	4.20	46	277692	48.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.38%
24) Chloroform-d	4.64	84	241139	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.31	65	126894	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.33	84	453202	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
36) 1,2-Dichloropropane-d6	6.33	67	151515	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.20%
41) Toluene-d8	7.56	98	457002	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.85	79	60063	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.31	63	249999	50.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	162736	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	210173	4.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	78916	5.127	ug/L 100
3) Chloromethane	1.32	50	69813	4.523	ug/L 99
5) Vinyl chloride	1.40	62	77293	4.960	ug/L 97
6) Bromomethane	1.62	94	47970	4.858	ug/L 91
8) Chloroethane	1.69	64	47086	4.760	ug/L 100
9) Trichlorofluoromethane	1.88	101	105908	5.242	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	67026	5.258	ug/L 97
12) 1,1-Dichloroethene	2.28	96	65169	5.086	ug/L 92
13) Acetone	2.33	43	86577	48.992	ug/L 97
14) Carbon disulfide	2.47	76	197012	4.962	ug/L 98
15) Methyl Acetate	2.62	43	24031	4.634	ug/L 89
16) Methylene chloride	2.69	84	71662	4.193	ug/L 99
17) Methyl tert-butyl Ether	3.00	73	152157	5.267	ug/L 99
18) trans-1,2-Dichloroethene	2.97	96	69130	5.027	ug/L 95
19) 1,1-Dichloroethane	3.44	63	113230	5.331	ug/L 93
21) 2-Butanone	4.28	43	131638	49.378	ug/L 94
22) cis-1,2-Dichloroethene	4.22	96	69638	5.187	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	32080	5.407	ug/L	97
25) Chloroform	4.67	83	118608	5.170	ug/L	91
27) 1,2-Dichloroethane	5.40	62	69072	5.173	ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	97539	5.099	ug/L	100
30) Cyclohexane	4.99	56	82752	4.628	ug/L	96
31) Carbon tetrachloride	5.12	117	85219	5.057	ug/L	98
33) Benzene	5.38	78	253326	5.082	ug/L	100
34) Trichloroethene	6.18	95	64870	4.848	ug/L	93
35) Methylcyclohexane	6.41	83	89400	4.536	ug/L	100
37) 1,2-Dichloropropane	6.43	63	59231	4.935	ug/L	98
38) Bromodichloromethane	6.75	83	78014	5.001	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	79790	4.669	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	295994	48.787	ug/L	99
42) Toluene	7.63	91	277279	5.235	ug/L	93
44) trans-1,3-Dichloropropene	7.88	75	68826	5.125	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	45520	4.911	ug/L	94
47) Tetrachloroethene	8.22	164	57194	5.178	ug/L	97
48) 2-Hexanone	8.36	43	238322	51.214	ug/L	99
49) Dibromochloromethane	8.47	129	54683	5.183	ug/L	95
50) 1,2-Dibromoethane	8.58	107	46114	5.277	ug/L #	99
51) Chlorobenzene	9.12	112	176739	5.213	ug/L	97
52) Ethylbenzene	9.25	91	259784	4.872	ug/L	97
53) m,p-Xylene	9.37	106	102155	5.152	ug/L	90
54) o-Xylene	9.77	106	100328	5.064	ug/L	95
55) Styrene	9.79	104	167241	5.045	ug/L	99
56) Isopropylbenzene	10.16	105	251714	5.026	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	55500	4.971	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	40213	5.145	ug/L	98
61) Bromoform	9.95	173	30039	5.021	ug/L	94
62) 1,3-Dichlorobenzene	11.41	146	126782	5.137	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	126122	4.873	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	131169	5.240	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.66	75	7525	4.656	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	95622	5.092	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	65877	4.975	ug/L	97
69) Naphthalene	13.74	128	86193	4.255	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	64868	4.628	ug/L	94

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

