

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU052919\
 Data File : VU032369.D
 Acq On : 29 May 2019 19:49
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Quant Time: May 30 05:41:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 30 05:34:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	405925	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	392218	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	192511	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77074	3.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.60%
7) Chloroethane-d5	1.68	69	78660	3.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.00%
11) 1,1-Dichloroethene-d2	2.27	63	156753	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	4.20	46	331394	51.54	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.08%
24) Chloroform-d	4.64	84	234622	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.60%
26) 1,2-Dichloroethane-d4	5.31	65	130126	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
32) Benzene-d6	5.33	84	456590	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
36) 1,2-Dichloropropane-d6	6.33	67	157600	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	7.56	98	456166	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	7.85	79	61118	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.31	63	280296	53.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.20%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	164090	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	224584	4.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	76330	4.399	ug/L 99
3) Chloromethane	1.33	50	75909	4.363	ug/L 100
5) Vinyl chloride	1.40	62	80397	4.576	ug/L 98
6) Bromomethane	1.63	94	44476	3.995	ug/L 98
8) Chloroethane	1.70	64	48789	4.375	ug/L 91
9) Trichlorofluoromethane	1.88	101	104996	4.610	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	64179	4.465	ug/L 98
12) 1,1-Dichloroethene	2.28	96	64776	4.484	ug/L 89
13) Acetone	2.34	43	94303	47.334	ug/L 99
14) Carbon disulfide	2.47	76	194051	4.335	ug/L 100
15) Methyl Acetate	2.62	43	24711	4.227	ug/L 92
16) Methylene chloride	2.70	84	70416	3.654	ug/L 100
17) Methyl tert-butyl Ether	3.00	73	159409	4.894	ug/L 98
18) trans-1,2-Dichloroethene	2.98	96	71134	4.588	ug/L 91
19) 1,1-Dichloroethane	3.44	63	115255	4.813	ug/L 98
21) 2-Butanone	4.29	43	152731	50.816	ug/L 99
22) cis-1,2-Dichloroethene	4.22	96	73559	4.860	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	32587	4.872	ug/L	99
25) Chloroform	4.67	83	123065	4.758	ug/L	94
27) 1,2-Dichloroethane	5.40	62	72941	4.846	ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	97899	4.809	ug/L	97
30) Cyclohexane	4.98	56	100921	5.303	ug/L	97
31) Carbon tetrachloride	5.13	117	86342	4.814	ug/L	100
33) Benzene	5.39	78	265329	5.001	ug/L	100
34) Trichloroethene	6.18	95	70172	4.928	ug/L	97
35) Methylcyclohexane	6.41	83	105309	5.021	ug/L	99
37) 1,2-Dichloropropane	6.43	63	65803	5.151	ug/L	100
38) Bromodichloromethane	6.75	83	81429	4.905	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	88784	4.881	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	365938	56.672	ug/L	97
42) Toluene	7.63	91	285049	5.056	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	72442	5.069	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	47951	4.861	ug/L	96
47) Tetrachloroethene	8.22	164	58447	4.972	ug/L	97
48) 2-Hexanone	8.36	43	272546	55.031	ug/L	99
49) Dibromochloromethane	8.47	129	55534	4.946	ug/L	99
50) 1,2-Dibromoethane	8.58	107	44385	4.773	ug/L #	94
51) Chlorobenzene	9.12	112	182660	5.063	ug/L	96
52) Ethylbenzene	9.25	91	301062	5.305	ug/L	97
53) m,p-Xylene	9.37	106	116586	5.525	ug/L	91
54) o-Xylene	9.77	106	113024	5.360	ug/L	96
55) Styrene	9.79	104	191574	5.430	ug/L	100
56) Isopropylbenzene	10.16	105	291896	5.476	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	57513	4.840	ug/L #	96
59) 1,2,3-Trichloropropane	10.49	75	40507	4.869	ug/L	95
61) Bromoform	9.95	173	30749	4.460	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	143466	5.044	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	142272	4.769	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	139710	4.842	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.65	75	8308	4.460	ug/L	91
67) 1,3,5-Trichlorobenzene	12.88	180	107908	4.985	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	83535	5.474	ug/L	100
69) Naphthalene	13.74	128	128040	5.484	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	80449	4.980	ug/L	98

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

