

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062919\
 Data File : VU033068.D
 Acq On : 28 Jun 2019 13:00
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

Quant Time: Jun 29 00:31:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 28 02:22:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	100766	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	100377	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	54064	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	29081	4.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	1.68	69	25625	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.27	63	66203	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.00%
20) 2-Butanone-d5	4.18	46	97658	47.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.92%
24) Chloroform-d	4.64	84	64655	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.30	65	35953	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	5.33	84	117622	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.32	67	37513	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.56	98	113520	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	7.85	79	16941	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.31	63	70465	50.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	33480	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	47571	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	47932	4.621	ug/L 99
3) Chloromethane	1.32	50	43909	4.494	ug/L 98
5) Vinyl chloride	1.40	62	44771	4.542	ug/L 99
6) Bromomethane	1.62	94	22669	4.388	ug/L 99
8) Chloroethane	1.69	64	26425	4.628	ug/L 100
9) Trichlorofluoromethane	1.88	101	65964	4.722	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	33565	4.643	ug/L 99
12) 1,1-Dichloroethene	2.28	96	30686	4.575	ug/L 92
13) Acetone	2.32	43	77074	44.917	ug/L 99
14) Carbon disulfide	2.47	76	101242	4.537	ug/L 100
15) Methyl Acetate	2.61	43	18397	4.635	ug/L 99
16) Methylene chloride	2.69	84	34765	4.520	ug/L 95
17) Methyl tert-butyl Ether	3.00	73	87289	4.639	ug/L 100
18) trans-1,2-Dichloroethene	2.97	96	33542	4.569	ug/L 97
19) 1,1-Dichloroethane	3.43	63	66284	4.594	ug/L 98
21) 2-Butanone	4.27	43	112178	46.442	ug/L 97
22) cis-1,2-Dichloroethene	4.21	96	37524	4.705	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	17244	4.873	ug/L	97
25) Chloroform	4.66	83	68990	4.705	ug/L	96
27) 1,2-Dichloroethane	5.40	62	48413	4.821	ug/L	98
29) 1,1,1-Trichloroethane	4.90	97	60081	4.711	ug/L	99
30) Cyclohexane	4.98	56	56494	4.781	ug/L	99
31) Carbon tetrachloride	5.12	117	54394	4.688	ug/L	97
33) Benzene	5.38	78	140928	4.762	ug/L	100
34) Trichloroethene	6.18	95	40217	4.963	ug/L	95
35) Methylcyclohexane	6.40	83	58891	4.881	ug/L	96
37) 1,2-Dichloropropane	6.43	63	38661	4.872	ug/L	97
38) Bromodichloromethane	6.75	83	50134	4.791	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	57797	4.995	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	266950	48.804	ug/L	99
42) Toluene	7.63	91	154999	4.903	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	46477	4.928	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	26422	4.748	ug/L	97
47) Tetrachloroethene	8.22	164	31782	4.875	ug/L	98
48) 2-Hexanone	8.36	43	192306	49.130	ug/L	99
49) Dibromochloromethane	8.47	129	33653	4.766	ug/L	98
50) 1,2-Dibromoethane	8.58	107	26035	4.799	ug/L #	95
51) Chlorobenzene	9.11	112	98985	4.740	ug/L	98
52) Ethylbenzene	9.24	91	166278	4.778	ug/L	98
53) m,p-Xylene	9.37	106	61612	4.878	ug/L	98
54) o-Xylene	9.77	106	61270	4.977	ug/L	98
55) Styrene	9.79	104	103996	4.990	ug/L	99
56) Isopropylbenzene	10.16	105	163721	4.899	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	33850	4.689	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	24531	4.619	ug/L	96
61) Bromoform	9.95	173	19449	4.726	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	81442	4.817	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	82604	4.683	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	78464	4.785	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	5774	5.120	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	67551	5.013	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	52481	5.450	ug/L	98
69) Naphthalene	13.74	128	70536	4.991	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	49693	5.263	ug/L	99

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

