

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021619\
 Data File : VU029516.D
 Acq On : 15 Feb 2019 23:16
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00559

Quant Time: Feb 16 00:19:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Feb 16 00:13:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	194055	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	196491	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	110365	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59084	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.68	69	63595	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.40%
11) 1,1-Dichloroethene-d2	2.27	63	140194	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.00%
20) 2-Butanone-d5	4.20	46	136947	50.52	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.04%
24) Chloroform-d	4.65	84	99418	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.31	65	53901	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.34	84	225045	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.33	67	65032	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.56	98	230562	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	7.85	79	29074	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.31	63	149622	52.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	61476	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	103021	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	81922	4.820 ug/L	98
3) Chloromethane	1.32	50	76298	4.758 ug/L	98
5) Vinyl chloride	1.40	62	90899	4.864 ug/L	89
6) Bromomethane	1.63	94	41529	3.809 ug/L	99
8) Chloroethane	1.70	64	76297	6.270 ug/L	96
9) Trichlorofluoromethane	1.88	101	150221	5.251 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	89011	5.279 ug/L	98
12) 1,1-Dichloroethene	2.28	96	82773	5.183 ug/L	98
13) Acetone	2.33	43	128635	52.233 ug/L	99
14) Carbon disulfide	2.48	76	257837	4.900 ug/L	99
15) Methyl Acetate	2.62	43	35079	5.560 ug/L	96
16) Methylene chloride	2.70	84	108993	6.073 ug/L	95
17) Methyl tert-butyl Ether	3.00	73	211650	5.293 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	88673	5.207 ug/L	97
19) 1,1-Dichloroethane	3.44	63	156485	6.100 ug/L	96
21) 2-Butanone	4.29	43	164207	53.960 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	77547	4.951 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	36098	5.105	ug/L	94
25) Chloroform	4.67	83	136861	5.332	ug/L	98
27) 1,2-Dichloroethane	5.40	62	82722	5.569	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	114908	4.728	ug/L	99
30) Cyclohexane	4.99	56	107274	4.606	ug/L	99
31) Carbon tetrachloride	5.13	117	100849	4.593	ug/L	99
33) Benzene	5.39	78	280854	4.856	ug/L	100
34) Trichloroethene	6.18	95	79221	4.872	ug/L	98
35) Methylcyclohexane	6.41	83	129616	4.738	ug/L	99
37) 1,2-Dichloropropane	6.43	63	71676	4.948	ug/L	100
38) Bromodichloromethane	6.76	83	90595	4.733	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	106453	4.669	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	428919	51.365	ug/L	100
42) Toluene	7.63	91	327245	5.041	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	85868	4.586	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	57854	5.214	ug/L	99
47) Tetrachloroethene	8.22	164	73457	4.931	ug/L	98
48) 2-Hexanone	8.36	43	312933	51.418	ug/L	100
49) Dibromochloromethane	8.48	129	70871	4.739	ug/L	99
50) 1,2-Dibromoethane	8.58	107	55484	5.052	ug/L	91
51) Chlorobenzene	9.12	112	221879	4.970	ug/L	98
52) Ethylbenzene	9.25	91	369534	5.027	ug/L	100
53) m,p-xylene	9.37	106	147593	5.035	ug/L	97
54) o-xylene	9.77	106	145414	5.054	ug/L	96
55) Styrene	9.79	104	242136	5.069	ug/L	99
56) Isopropylbenzene	10.16	105	386563	5.094	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	71828	5.304	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	48959	5.269	ug/L	97
61) Bromoform	9.95	173	41517	4.444	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	191982	4.910	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	193104	4.946	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	188800	5.125	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	11654	5.057	ug/L	91
67) 1,3,5-Trichlorobenzene	12.88	180	156696	4.830	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	135920	4.974	ug/L	98
69) Naphthalene	13.74	128	235836	4.998	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	127681	4.887	ug/L	97

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

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