

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102218\
 Data File : VU027744.D
 Acq On : 22 Oct 2018 15:55
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: Oct 23 08:08:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 23 08:01:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	114088	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	110588	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	53717	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42106	47.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.86%
7) Chloroethane-d5	1.68	69	31888	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.32%
11) 1,1-Dichloroethene-d2	2.27	63	77932	48.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.50%
21) 2-Butanone-d5	4.18	46	72577	95.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.94%
24) Chloroform-d	4.65	84	78525	49.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.42%
26) 1,2-Dichloroethane-d4	5.31	65	53278	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.44%
32) Benzene-d6	5.34	84	147425	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.62%
36) 1,2-Dichloropropane-d6	6.33	67	52551	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.48%
41) Toluene-d8	7.57	98	138796	47.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.56%
43) trans-1,3-Dichloropropene-	7.85	79	26334	48.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.46%
47) 2-Hexanone-d5	8.31	63	54032	93.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	68307	47.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.08%
64) 1,2-Dichlorobenzene-d4	11.86	152	53178	48.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	47443	51.169	ug/L 98
3) Chloromethane	1.33	50	55070	50.703	ug/L 100
5) Vinyl chloride	1.40	62	51355	49.847	ug/L 99
6) Bromomethane	1.62	94	26377	50.776	ug/L 96
8) Chloroethane	1.70	64	28136	50.598	ug/L 99
9) Trichlorofluoromethane	1.89	101	64220	51.734	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	33886	49.850	ug/L 97
12) 1,1-Dichloroethene	2.29	96	32185	50.628	ug/L 93
13) Acetone	2.32	43	50184	95.237	ug/L 99
14) Carbon disulfide	2.48	76	110005	49.696	ug/L 98
15) Methyl Acetate	2.62	43	54423	49.078	ug/L 99
16) Methylene chloride	2.70	84	39895	50.803	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	36041	51.251	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	136110	51.783	ug/L 100
19) 1,1-Dichloroethane	3.45	63	79081	51.822	ug/L 97
20) cis-1,2-Dichloroethene	4.23	96	41988	50.471	ug/L 99
22) 2-Butanone	4.26	43	77026	98.240	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	20236	52.093	ug/L	93
25) Chloroform	4.67	83	77750	52.501	ug/L	99
27) 1,2-Dichloroethane	5.40	62	67410	52.451	ug/L	99
29) Cyclohexane	5.00	56	77901	49.145	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	68383	51.014	ug/L	99
31) Carbon tetrachloride	5.14	117	59078	48.976	ug/L	97
33) Benzene	5.39	78	167155	50.809	ug/L	100
34) Trichloroethene	6.19	95	41610	50.522	ug/L	98
35) Methylcyclohexane	6.42	83	69524	48.810	ug/L	99
37) 1,2-Dichloropropane	6.43	63	49053	50.464	ug/L	100
38) Bromodichloromethane	6.76	83	60853	50.378	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	75540	50.471	ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	153494	98.252	ug/L	100
42) Toluene	7.64	91	174973	50.785	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	71606	50.576	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	40090	49.931	ug/L	96
46) Tetrachloroethene	8.23	164	32470	51.050	ug/L	97
48) 2-Hexanone	8.36	43	117203	96.739	ug/L	97
49) Dibromochloromethane	8.48	129	46835	49.228	ug/L	99
50) 1,2-Dibromoethane	8.59	107	43909	51.238	ug/L	97
51) Chlorobenzene	9.12	112	105568	49.978	ug/L	97
52) Ethylbenzene	9.25	91	197381	50.646	ug/L	100
53) m,p-Xylene	9.38	106	71217	50.584	ug/L	100
54) o-xylene	9.78	106	71514	50.958	ug/L	98
55) Styrene	9.79	104	119913	50.199	ug/L	98
56) Isopropylbenzene	10.17	105	190887	51.360	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	70713	49.526	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	56469	49.156	ug/L	98
61) Bromoform	9.96	173	35955	50.212	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	83563	51.879	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	81726	49.760	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	84955	51.279	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	16858	48.835	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	64306	51.620	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	58230	52.652	ug/L	99
69) Naphthalene	13.74	128	185254	51.863	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	60630	52.455	ug/L	98

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

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