

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022519\
 Data File : VU029646.D
 Acq On : 25 Feb 2019 09:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Feb 26 00:12:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 22 23:08:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	526750	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	511110	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	283591	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	166884	43.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.48%
7) Chloroethane-d5	1.68	69	144235	42.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.06%
11) 1,1-Dichloroethene-d2	2.27	63	325171	43.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.20%
21) 2-Butanone-d5	4.17	46	235065	100.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.07%
24) Chloroform-d	4.64	84	303872	48.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.08%
26) 1,2-Dichloroethane-d4	5.31	65	184589	46.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.14%
32) Benzene-d6	5.34	84	641789	49.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.33	67	190247	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.34%
41) Toluene-d8	7.56	98	627559	47.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.62%
43) trans-1,3-Dichloropropene-	7.85	79	96634	47.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.16%
47) 2-Hexanone-d5	8.31	63	184658	85.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	299486	45.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.62%
64) 1,2-Dichlorobenzene-d4	11.86	152	269911	44.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	188318	52.141	ug/L 98
3) Chloromethane	1.33	50	163911	51.732	ug/L 99
5) Vinyl chloride	1.40	62	207806	48.293	ug/L 99
6) Bromomethane	1.62	94	120173	61.193	ug/L 98
8) Chloroethane	1.69	64	129852	45.370	ug/L 98
9) Trichlorofluoromethane	1.88	101	294334	42.909	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	178274	48.587	ug/L 100
12) 1,1-Dichloroethene	2.28	96	166341	47.686	ug/L 91
13) Acetone	2.32	43	275798	109.880	ug/L 99
14) Carbon disulfide	2.47	76	488173	53.437	ug/L 100
15) Methyl Acetate	2.61	43	181885	55.829	ug/L 99
16) Methylene chloride	2.70	84	176780	52.374	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	172189	53.482	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	522141	52.383	ug/L 99
19) 1,1-Dichloroethane	3.44	63	295666	53.109	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	196889	52.630	ug/L 98
22) 2-Butanone	4.26	43	313553	109.461	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	105402	51.396	ug/L	98
25) Chloroform	4.67	83	322016	51.843	ug/L	100
27) 1,2-Dichloroethane	5.40	62	244208	51.137	ug/L	100
29) Cyclohexane	4.99	56	272452	53.865	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	277294	51.168	ug/L	100
31) Carbon tetrachloride	5.13	117	247980	50.556	ug/L	99
33) Benzene	5.39	78	705244	53.819	ug/L	100
34) Trichloroethene	6.18	95	188545	53.411	ug/L	99
35) Methylcyclohexane	6.41	83	318415	54.314	ug/L	98
37) 1,2-Dichloropropane	6.43	63	185034	53.791	ug/L	100
38) Bromodichloromethane	6.75	83	245512	52.941	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	302498	54.505	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	506766	104.764	ug/L	98
42) Toluene	7.63	91	796027	51.367	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	276561	52.875	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	192175	52.414	ug/L	98
46) Tetrachloroethene	8.22	164	174076	50.381	ug/L	96
48) 2-Hexanone	8.36	43	438764	103.832	ug/L	99
49) Dibromochloromethane	8.47	129	224538	50.516	ug/L	99
50) 1,2-Dibromoethane	8.58	107	210485	51.816	ug/L	99
51) Chlorobenzene	9.12	112	543124	51.063	ug/L	98
52) Ethylbenzene	9.25	91	902768	51.293	ug/L	99
53) m,p-Xylene	9.37	106	356574	50.470	ug/L	97
54) o-xylene	9.78	106	353731	49.845	ug/L	100
55) Styrene	9.79	104	602830	50.320	ug/L	97
56) Isopropylbenzene	10.16	105	927203	49.930	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	330175	50.925	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	249019	50.772	ug/L	100
61) Bromoform	9.95	173	183775	48.121	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	461564	51.047	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	468217	51.456	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	465322	49.300	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	74850	50.961	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	369441	53.542	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	332545	55.722	ug/L	100
69) Naphthalene	13.74	128	1033202	56.325	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	343731	54.238	ug/L	99

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

