

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031720\
 Data File : VU037307.D
 Acq On : 17 Mar 2020 10:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Quant Time: Mar 18 02:31:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 16 15:08:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	453613	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	443797	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	227529	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	140442	40.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.00%
7) Chloroethane-d5	1.93	69	126182	44.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.16%
11) 1,1-Dichloroethene-d2	2.59	63	277411	43.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.14%
21) 2-Butanone-d5	4.66	46	246014	88.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.55%
24) Chloroform-d	5.11	84	321715	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	5.74	65	224949	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
32) Benzene-d6	5.76	84	576851	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.44%
36) 1,2-Dichloropropane-d6	6.73	67	185892	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.96%
41) Toluene-d8	7.92	98	562102	48.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.26%
43) trans-1,3-Dichloropropene-	8.20	79	104434	47.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.96%
47) 2-Hexanone-d5	8.66	63	189273	91.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.42%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	288780	46.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.24%
64) 1,2-Dichlorobenzene-d4	12.21	152	226252	47.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	215519	46.492	ug/L 100
3) Chloromethane	1.54	50	168186	44.362	ug/L 100
5) Vinyl chloride	1.62	62	190251	45.792	ug/L 99
6) Bromomethane	1.87	94	75025	47.044	ug/L 100
8) Chloroethane	1.95	64	112691	46.298	ug/L 97
9) Trichlorofluoromethane	2.16	101	304479	47.999	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	145465	49.100	ug/L 97
12) 1,1-Dichloroethene	2.60	96	126305	47.181	ug/L 92
13) Acetone	2.65	43	247526	93.903	ug/L 98
14) Carbon disulfide	2.82	76	351011	46.248	ug/L 99
15) Methyl Acetate	2.98	43	172834	41.687	ug/L 97
16) Methylene chloride	3.08	84	153542	45.951	ug/L 94
17) trans-1,2-Dichloroethene	3.39	96	134051	47.795	ug/L 92
18) Methyl tert-butyl Ether	3.40	73	500575	46.216	ug/L 98
19) 1,1-Dichloroethane	3.91	63	282233	44.971	ug/L 97
20) cis-1,2-Dichloroethene	4.71	96	161528	47.614	ug/L 97
22) 2-Butanone	4.75	43	287016	86.090	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	80003	46.764	ug/L	95
25) Chloroform	5.13	83	311412	45.888	ug/L	97
27) 1,2-Dichloroethane	5.83	62	267589	44.254	ug/L	99
29) Cyclohexane	5.43	56	237515	45.270	ug/L	96
30) 1,1,1-Trichloroethane	5.36	97	280671	47.647	ug/L	98
31) Carbon tetrachloride	5.56	117	248054	47.659	ug/L	100
33) Benzene	5.81	78	617686	47.220	ug/L	100
34) Trichloroethene	6.57	95	161272	47.445	ug/L	98
35) Methylcyclohexane	6.79	83	255823	49.710	ug/L	97
37) 1,2-Dichloropropane	6.83	63	168852	45.411	ug/L	99
38) Bromodichloromethane	7.14	83	240539	46.272	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	269937	46.821	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	511078	84.436	ug/L	98
42) Toluene	8.00	91	691088	48.379	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	262543	48.231	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	163322	48.240	ug/L	97
46) Tetrachloroethene	8.58	164	131255	51.975	ug/L	96
48) 2-Hexanone	8.71	43	407618	85.455	ug/L	96
49) Dibromochloromethane	8.83	129	195679	49.127	ug/L	100
50) 1,2-Dibromoethane	8.95	107	174750	47.829	ug/L	99
51) Chlorobenzene	9.47	112	435020	48.424	ug/L	100
52) Ethylbenzene	9.59	91	789018	47.702	ug/L	98
53) m,p-Xylene	9.72	106	292729	50.036	ug/L	96
54) o-xylene	10.12	106	283462	49.042	ug/L	94
55) Styrene	10.13	104	490672	50.059	ug/L	96
56) Isopropylbenzene	10.50	105	784786	48.849	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	285674	46.226	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	233358	45.148	ug/L	98
61) Bromoform	10.31	173	150055	47.218	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	352066	48.819	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	354102	48.581	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	351970	47.784	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	66164	40.744	ug/L	87
67) 1,3,5-Trichlorobenzene	13.25	180	253621	48.256	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	191367	46.630	ug/L	98
69) Naphthalene	14.12	128	223275	35.874	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	193535	44.938	ug/L	98

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

