

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022620\
 Data File : VU036908.D
 Acq On : 26 Feb 2020 10:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: Feb 27 04:41:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 26 14:54:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	256498	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	247900	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	108562	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	106193	49.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.60%
7) Chloroethane-d5	1.93	69	92457	51.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.76%
11) 1,1-Dichloroethene-d2	2.59	63	180982	50.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.34%
21) 2-Butanone-d5	4.67	46	152133	105.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.29%
24) Chloroform-d	5.11	84	175461	53.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.68%
26) 1,2-Dichloroethane-d4	5.74	65	116589	52.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.76%
32) Benzene-d6	5.76	84	369601	51.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.12%
36) 1,2-Dichloropropane-d6	6.73	67	119985	51.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.32%
41) Toluene-d8	7.92	98	340965	51.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.54%
43) trans-1,3-Dichloropropene-	8.20	79	55179	51.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.24%
47) 2-Hexanone-d5	8.66	63	118711	104.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.53%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	170528	52.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.16%
64) 1,2-Dichlorobenzene-d4	12.21	152	108981	51.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	117068	53.808	ug/L 99
3) Chloromethane	1.54	50	132144	52.794	ug/L 99
5) Vinyl chloride	1.62	62	136405	52.833	ug/L 100
6) Bromomethane	1.87	94	78552	59.301	ug/L 98
8) Chloroethane	1.95	64	82770	53.482	ug/L 99
9) Trichlorofluoromethane	2.16	101	147074	53.712	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	90756	55.407	ug/L 99
12) 1,1-Dichloroethene	2.60	96	88406	53.362	ug/L 92
13) Acetone	2.66	43	176743	118.924	ug/L 100
14) Carbon disulfide	2.82	76	272982	52.078	ug/L 100
15) Methyl Acetate	2.98	43	116416	51.392	ug/L 99
16) Methylene chloride	3.08	84	106059	52.486	ug/L 100
17) trans-1,2-Dichloroethene	3.39	96	93874	52.746	ug/L 100
18) Methyl tert-butyl Ether	3.40	73	301243	52.071	ug/L 100
19) 1,1-Dichloroethane	3.91	63	182093	52.656	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	105839	53.185	ug/L 97
22) 2-Butanone	4.75	43	200970	112.139	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	48459	53.771	ug/L	97
25) Chloroform	5.13	83	178152	53.392	ug/L	99
27) 1,2-Dichloroethane	5.83	62	144337	53.134	ug/L	99
29) Cyclohexane	5.43	56	170839	51.932	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	138403	52.073	ug/L	98
31) Carbon tetrachloride	5.56	117	109642	52.630	ug/L	98
33) Benzene	5.81	78	409201	52.250	ug/L	100
34) Trichloroethene	6.57	95	101761	52.867	ug/L	99
35) Methylcyclohexane	6.80	83	176131	52.775	ug/L	99
37) 1,2-Dichloropropane	6.83	63	109674	52.011	ug/L	99
38) Bromodichloromethane	7.14	83	128957	51.809	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	169701	52.244	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	316153	101.750	ug/L	99
42) Toluene	8.00	91	438091	52.506	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	146735	52.075	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	97550	52.022	ug/L	99
46) Tetrachloroethene	8.58	164	66949	52.797	ug/L	99
48) 2-Hexanone	8.71	43	269125	108.539	ug/L	99
49) Dibromochloromethane	8.84	129	93078	52.296	ug/L	100
50) 1,2-Dibromoethane	8.95	107	102927	52.490	ug/L	99
51) Chlorobenzene	9.47	112	257390	52.064	ug/L	99
52) Ethylbenzene	9.59	91	470056	51.969	ug/L	99
53) m,p-Xylene	9.72	106	175775	52.979	ug/L	99
54) o-xylene	10.12	106	171905	51.949	ug/L	99
55) Styrene	10.14	104	289513	53.520	ug/L	100
56) Isopropylbenzene	10.51	105	450486	53.003	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	173306	51.697	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	140267	51.708	ug/L	99
61) Bromoform	10.31	173	64731	52.739	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	184133	52.285	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	184589	53.052	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	185248	52.682	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	36063	51.695	ug/L	99
67) 1,3,5-Trichlorobenzene	13.25	180	126020	56.375	ug/L	98
68) 1,2,4-trichlorobenzene	13.88	180	92744	55.376	ug/L	98
69) Naphthalene	14.12	128	148585	50.258	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	92301	55.150	ug/L	98

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

