

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022820\
 Data File : VU036960.D
 Acq On : 28 Feb 2020 09:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Quant Time: Feb 29 00:28:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 27 22:00:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	268473	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	255366	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	112636	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	92598	41.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.14%
7) Chloroethane-d5	1.93	69	81556	43.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.44%
11) 1,1-Dichloroethene-d2	2.59	63	168511	44.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.26%
21) 2-Butanone-d5	4.67	46	142725	94.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.38%
24) Chloroform-d	5.11	84	166533	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.74%
26) 1,2-Dichloroethane-d4	5.74	65	108326	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.98%
32) Benzene-d6	5.76	84	344039	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.18%
36) 1,2-Dichloropropane-d6	6.73	67	111213	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.96%
41) Toluene-d8	7.92	98	321763	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%
43) trans-1,3-Dichloropropene-	8.20	79	50840	45.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.46%
47) 2-Hexanone-d5	8.66	63	107071	91.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.53%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	159930	47.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.82%
64) 1,2-Dichlorobenzene-d4	12.21	152	103246	46.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.78%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	120324	52.838	ug/L 100
3) Chloromethane	1.54	50	130159	49.681	ug/L 99
5) Vinyl chloride	1.62	62	140187	51.876	ug/L 100
6) Bromomethane	1.87	94	74957	54.063	ug/L 99
8) Chloroethane	1.95	64	84504	52.167	ug/L 99
9) Trichlorofluoromethane	2.16	101	155002	54.082	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	93883	54.759	ug/L 100
12) 1,1-Dichloroethene	2.61	96	88522	51.049	ug/L 84
13) Acetone	2.65	43	183916	118.231	ug/L 99
14) Carbon disulfide	2.82	76	274366	50.008	ug/L 99
15) Methyl Acetate	2.98	43	120717	50.913	ug/L 99
16) Methylene chloride	3.08	84	108528	51.312	ug/L 100
17) trans-1,2-Dichloroethene	3.39	96	95371	51.197	ug/L 98
18) Methyl tert-butyl Ether	3.40	73	305818	50.504	ug/L 100
19) 1,1-Dichloroethane	3.91	63	186672	51.572	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	107326	51.527	ug/L 100
22) 2-Butanone	4.75	43	207024	110.365	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	50537	53.575	ug/L	97
25) Chloroform	5.13	83	180658	51.728	ug/L	100
27) 1,2-Dichloroethane	5.83	62	148092	52.084	ug/L	100
29) Cyclohexane	5.43	56	171635	50.649	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	145295	53.068	ug/L	100
31) Carbon tetrachloride	5.56	117	112333	52.345	ug/L	99
33) Benzene	5.81	78	420503	52.124	ug/L	100
34) Trichloroethene	6.57	95	104073	52.487	ug/L	99
35) Methylcyclohexane	6.80	83	179681	52.265	ug/L	100
37) 1,2-Dichloropropane	6.83	63	111621	51.386	ug/L	99
38) Bromodichloromethane	7.14	83	134418	52.425	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	170764	51.034	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	322375	100.719	ug/L	100
42) Toluene	8.00	91	449393	52.286	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	147852	50.937	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	100210	51.878	ug/L	98
46) Tetrachloroethene	8.58	164	67215	51.457	ug/L	97
48) 2-Hexanone	8.71	43	276521	108.262	ug/L	100
49) Dibromochloromethane	8.83	129	94671	51.636	ug/L	98
50) 1,2-Dibromoethane	8.95	107	104695	51.831	ug/L	100
51) Chlorobenzene	9.47	112	259714	50.998	ug/L	99
52) Ethylbenzene	9.59	91	480813	51.604	ug/L	100
53) m,p-Xylene	9.72	106	180595	52.840	ug/L	99
54) o-xylene	10.12	106	174905	51.310	ug/L	100
55) Styrene	10.13	104	294108	52.779	ug/L	97
56) Isopropylbenzene	10.50	105	452396	51.671	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	176099	50.994	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	144000	51.532	ug/L	98
61) Bromoform	10.31	173	64739	50.838	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	187895	51.423	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	186711	51.720	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	187955	51.518	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	37147	51.323	ug/L	98
67) 1,3,5-Trichlorobenzene	13.25	180	124027	53.477	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	90344	51.992	ug/L	98
69) Naphthalene	14.12	128	139555	45.496	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	91126	52.479	ug/L	99

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

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