

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021020\
 Data File : VU036713.D
 Acq On : 10 Feb 2020 16:41
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050111

Quant Time: Feb 11 03:36:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 03:31:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	263303	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	247955	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	115445	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	67231	38.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.58%
7) Chloroethane-d5	1.93	69	66979	41.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.28%
11) 1,1-Dichloroethene-d2	2.60	63	142466	42.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.94%
21) 2-Butanone-d5	4.68	46	143308	95.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.66%
24) Chloroform-d	5.11	84	148646	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
26) 1,2-Dichloroethane-d4	5.75	65	99094	45.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.18%
32) Benzene-d6	5.77	84	291252	44.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.36%
36) 1,2-Dichloropropane-d6	6.73	67	100672	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.04%
41) Toluene-d8	7.93	98	266773	44.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.38%
43) trans-1,3-Dichloropropene-	8.21	79	47131	45.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.98%
47) 2-Hexanone-d5	8.67	63	121996	98.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.78%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	158098	49.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.16%
66) 1,2-Dichlorobenzene-d4	12.21	152	95226	45.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	88630	48.720	ug/L 99
3) Chloromethane	1.54	50	105696	49.030	ug/L 99
5) Vinyl chloride	1.62	62	114861	49.484	ug/L 99
6) Bromomethane	1.87	94	69602	47.823	ug/L 98
8) Chloroethane	1.95	64	73391	49.817	ug/L 96
9) Trichlorofluoromethane	2.16	101	136177	49.371	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	82324	49.830	ug/L 98
12) 1,1-Dichloroethene	2.61	96	81210	50.492	ug/L 98
13) Acetone	2.66	43	149682	94.054	ug/L 99
14) Carbon disulfide	2.82	76	234700	48.830	ug/L 99
15) Methyl Acetate	2.99	43	117726	51.168	ug/L 99
16) Methylene chloride	3.08	84	100042	50.394	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	86556	50.578	ug/L 96
18) Methyl tert-butyl Ether	3.41	73	296264	49.880	ug/L 100
19) 1,1-Dichloroethane	3.92	63	172226	50.509	ug/L 98
20) cis-1,2-Dichloroethene	4.72	96	100145	51.358	ug/L 99
22) 2-Butanone	4.76	43	182831	96.796	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	45939	50.276	ug/L	99
25) Chloroform	5.14	83	169036	50.973	ug/L	97
27) 1,2-Dichloroethane	5.84	62	138857	49.791	ug/L	99
29) Cyclohexane	5.43	56	154758	48.589	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	132896	50.456	ug/L	99
31) Carbon tetrachloride	5.57	117	106351	49.867	ug/L	99
33) Benzene	5.82	78	383388	51.120	ug/L	100
34) Trichloroethene	6.58	95	94493	50.951	ug/L	98
35) Methylcyclohexane	6.80	83	161451	49.433	ug/L	100
37) 1,2-Dichloropropane	6.83	63	104971	51.906	ug/L	99
38) Bromodichloromethane	7.14	83	124906	50.825	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	162795	50.381	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	325859	101.983	ug/L	99
42) Toluene	8.00	91	414130	51.102	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	142152	50.358	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	93817	50.851	ug/L	98
46) Tetrachloroethene	8.58	164	63246	48.597	ug/L	99
48) 2-Hexanone	8.72	43	259151	99.425	ug/L	100
49) Dibromochloromethane	8.84	129	90608	50.213	ug/L	98
50) 1,2-Dibromoethane	8.95	107	98085	50.607	ug/L	100
51) Chlorobenzene	9.47	112	243694	49.940	ug/L	100
52) Ethylbenzene	9.60	91	450033	50.539	ug/L	100
53) m,p-Xylene	9.72	106	165937	50.515	ug/L	99
54) o-xylene	10.13	106	163619	50.280	ug/L	98
55) Styrene	10.14	104	278227	51.301	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.81	83	171318	51.533	ug/L	100
59) Bromoform	10.32	173	63905	50.104	ug/L	100
60) 1,2,3-Trichloropropane	10.85	75	136393	50.226	ug/L	98
61) Isopropylbenzene	10.51	105	432314	50.291	ug/L	100
62) 1,3,5-Trimethylbenzene	11.11	105	371437	50.398	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	369102	50.154	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	180669	49.976	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	178135	48.944	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	181954	49.712	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.01	75	38362	49.433	ug/L	97
69) 1,3,5-Trichlorobenzene	13.23	180	121945	48.645	ug/L	100
70) 1,2,4-trichlorobenzene	13.85	180	101498	48.556	ug/L	99
71) Naphthalene	14.10	128	366697	49.767	ug/L	100
72) 1,2,3-Trichlorobenzene	14.34	180	99587	47.820	ug/L	99

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

