

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021120\
 Data File : VU036722.D
 Acq On : 11 Feb 2020 14:01
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050113

Quant Time: Feb 12 02:35:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 12 02:32:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	253861	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	241025	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	109797	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	59696	35.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.52%
7) Chloroethane-d5	1.93	69	61664	39.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.56%
11) 1,1-Dichloroethene-d2	2.59	63	133818	41.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.74%
21) 2-Butanone-d5	4.67	46	132815	91.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.95%
24) Chloroform-d	5.11	84	141056	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.08%
26) 1,2-Dichloroethane-d4	5.74	65	94088	44.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.78%
32) Benzene-d6	5.77	84	276913	43.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.73	67	95414	45.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.72%
41) Toluene-d8	7.93	98	249884	43.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.12%
43) trans-1,3-Dichloropropene-	8.21	79	44431	44.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.22%
47) 2-Hexanone-d5	8.66	63	110885	92.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.36%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	150866	48.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.34%
66) 1,2-Dichlorobenzene-d4	12.21	152	91867	46.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.10%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	89827	51.214	ug/L	100
3) Chloromethane	1.54	50	103951	50.014	ug/L	99
5) Vinyl chloride	1.62	62	116904	52.237	ug/L	99
6) Bromomethane	1.87	94	69974	49.866	ug/L	95
8) Chloroethane	1.95	64	73998	52.098	ug/L	100
9) Trichlorofluoromethane	2.16	101	138898	52.230	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	84613	53.120	ug/L	99
12) 1,1-Dichloroethene	2.61	96	82397	53.135	ug/L	89
13) Acetone	2.66	43	142092	92.605	ug/L	99
14) Carbon disulfide	2.82	76	238824	51.536	ug/L	100
15) Methyl Acetate	2.98	43	109835	49.514	ug/L	97
16) Methylene chloride	3.08	84	100644	52.583	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	87176	52.835	ug/L	98
18) Methyl tert-butyl Ether	3.41	73	296357	51.752	ug/L	99
19) 1,1-Dichloroethane	3.92	63	173909	52.899	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	101069	53.760	ug/L	98
22) 2-Butanone	4.75	43	172090	94.498	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	45472	51.616	ug/L	96
25) Chloroform	5.13	83	171132	53.524	ug/L	99
27) 1,2-Dichloroethane	5.84	62	140279	52.172	ug/L	99
29) Cyclohexane	5.43	56	155626	50.266	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	134422	52.502	ug/L	99
31) Carbon tetrachloride	5.57	117	108421	52.299	ug/L	100
33) Benzene	5.82	78	385970	52.944	ug/L	100
34) Trichloroethene	6.58	95	95434	52.938	ug/L	98
35) Methylcyclohexane	6.80	83	165579	52.154	ug/L	100
37) 1,2-Dichloropropane	6.83	63	105381	53.607	ug/L	100
38) Bromodichloromethane	7.14	83	125755	52.642	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	162732	51.810	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	307795	99.100	ug/L	99
42) Toluene	8.00	91	417696	53.024	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	142443	51.912	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	94096	52.469	ug/L	98
46) Tetrachloroethene	8.58	164	65754	51.977	ug/L	99
48) 2-Hexanone	8.72	43	241414	95.283	ug/L	99
49) Dibromochloromethane	8.84	129	92120	52.518	ug/L	98
50) 1,2-Dibromoethane	8.95	107	98776	52.429	ug/L	97
51) Chlorobenzene	9.47	112	250038	52.713	ug/L	99
52) Ethylbenzene	9.60	91	456779	52.771	ug/L	99
53) m,p-Xylene	9.72	106	170134	53.282	ug/L	100
54) o-xylene	10.12	106	168045	53.125	ug/L	97
55) Styrene	10.14	104	283042	53.690	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.81	83	168024	51.995	ug/L	100
59) Bromoform	10.32	173	63099	52.017	ug/L	99
60) 1,2,3-Trichloropropane	10.85	75	133855	51.827	ug/L	100
61) Isopropylbenzene	10.51	105	435645	53.285	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	376033	53.646	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	370670	52.958	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	183242	53.296	ug/L	100
65) 1,4-Dichlorobenzene	11.86	146	180585	52.170	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	183650	52.756	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.01	75	35507	48.107	ug/L	98
69) 1,3,5-Trichlorobenzene	13.23	180	125116	52.478	ug/L	99
70) 1,2,4-trichlorobenzene	13.85	180	103032	51.825	ug/L	100
71) Naphthalene	14.10	128	355335	50.705	ug/L	100
72) 1,2,3-Trichlorobenzene	14.34	180	100132	50.555	ug/L	99

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

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