

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010920\
 Data File : VU036415.D
 Acq On : 09 Jan 2020 12:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Jan 10 04:04:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 09 14:24:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	549340	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	540527	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	251818	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	150705	35.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.42%
7) Chloroethane-d5	1.93	69	144375	39.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.96%
11) 1,1-Dichloroethene-d2	2.59	63	322659	44.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.50%
21) 2-Butanone-d5	4.67	46	283863	89.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.05%
24) Chloroform-d	5.11	84	357796	47.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.78%
26) 1,2-Dichloroethane-d4	5.74	65	232417	46.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.84%
32) Benzene-d6	5.77	84	680407	45.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.42%
36) 1,2-Dichloropropane-d6	6.73	67	226448	44.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.74%
41) Toluene-d8	7.93	98	648253	44.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.76%
43) trans-1,3-Dichloropropene-	8.21	79	121183	44.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.50%
47) 2-Hexanone-d5	8.67	63	214381	82.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.36%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	340854	44.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.06%
64) 1,2-Dichlorobenzene-d4	12.21	152	236762	44.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	200532	45.705 ug/L	99
3) Chloromethane	1.54	50	185458	46.456 ug/L	99
5) Vinyl chloride	1.62	62	190027	41.011 ug/L	100
6) Bromomethane	1.87	94	119366	53.306 ug/L	96
8) Chloroethane	1.95	64	117084	41.998 ug/L	99
9) Trichlorofluoromethane	2.16	101	288555	44.296 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	160668	49.823 ug/L	98
12) 1,1-Dichloroethene	2.61	96	148820	46.815 ug/L	98
13) Acetone	2.66	43	255906	77.402 ug/L	100
14) Carbon disulfide	2.82	76	403592	41.028 ug/L	98
15) Methyl Acetate	2.98	43	214286	48.199 ug/L	97
16) Methylene chloride	3.08	84	188855	48.532 ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	162234	47.272 ug/L	97
18) Methyl tert-butyl Ether	3.41	73	610381	48.960 ug/L	99
19) 1,1-Dichloroethane	3.91	63	338208	49.165 ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	199210	47.990 ug/L #	94
22) 2-Butanone	4.75	43	338499	86.667 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	96509	48.431	ug/L	94
25) Chloroform	5.13	83	354699	48.392	ug/L	99
27) 1,2-Dichloroethane	5.83	62	288782	50.968	ug/L	98
29) Cyclohexane	5.43	56	291438	46.534	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	313304	47.292	ug/L	99
31) Carbon tetrachloride	5.56	117	266056	46.330	ug/L	98
33) Benzene	5.82	78	732620	46.140	ug/L	100
34) Trichloroethene	6.58	95	195432	47.742	ug/L	98
35) Methylcyclohexane	6.80	83	302456	46.291	ug/L	98
37) 1,2-Dichloropropane	6.83	63	197249	45.876	ug/L	100
38) Bromodichloromethane	7.14	83	278736	45.953	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	319002	44.319	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	631332	86.408	ug/L	100
42) Toluene	8.00	91	822135	47.021	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	307313	45.830	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	197432	49.219	ug/L	98
46) Tetrachloroethene	8.58	164	136561	46.365	ug/L	98
48) 2-Hexanone	8.72	43	473685	84.258	ug/L	93
49) Dibromochloromethane	8.84	129	222425	45.174	ug/L	99
50) 1,2-Dibromoethane	8.95	107	215294	46.279	ug/L	96
51) Chlorobenzene	9.47	112	526422	47.701	ug/L	100
52) Ethylbenzene	9.60	91	941366	47.305	ug/L	99
53) m,p-Xylene	9.72	106	342081	46.341	ug/L	96
54) o-xylene	10.12	106	349255	47.153	ug/L	94
55) Styrene	10.14	104	587997	46.951	ug/L	100
56) Isopropylbenzene	10.51	105	926871	48.012	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	353939	46.680	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	279777	46.377	ug/L	99
61) Bromoform	10.32	173	163081	43.580	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	387470	47.615	ug/L	96
63) 1,4-Dichlorobenzene	11.86	146	381074	47.208	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	386082	47.353	ug/L	95
66) 1,2-Dibromo-3-chloropropan	13.02	75	78246	41.127	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	243317	45.028	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	176484	43.094	ug/L	98
69) Naphthalene	14.10	128	581321	41.309	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	187830	43.673	ug/L	99

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

