

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022520\
 Data File : VU036897.D
 Acq On : 25 Feb 2020 10:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Feb 26 01:28:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 25 15:15:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	267928	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	252968	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	112220	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	108762	48.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.68%
7) Chloroethane-d5	1.93	69	92330	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.18%
11) 1,1-Dichloroethene-d2	2.59	63	184812	49.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.10%
21) 2-Butanone-d5	4.67	46	158077	104.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.74%
24) Chloroform-d	5.11	84	175759	51.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.30%
26) 1,2-Dichloroethane-d4	5.74	65	117340	50.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.92%
32) Benzene-d6	5.76	84	375844	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.76%
36) 1,2-Dichloropropane-d6	6.73	67	121877	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.84%
41) Toluene-d8	7.93	98	346089	50.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.98%
43) trans-1,3-Dichloropropene-	8.20	79	56880	51.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.28%
47) 2-Hexanone-d5	8.66	63	124376	107.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.33%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	174409	52.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	110775	50.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	115940	51.017 ug/L	100
3) Chloromethane	1.54	50	128819	49.270 ug/L	100
5) Vinyl chloride	1.62	62	133526	49.512 ug/L	99
6) Bromomethane	1.87	94	75539	54.593 ug/L	98
8) Chloroethane	1.95	64	81143	50.194 ug/L	100
9) Trichlorofluoromethane	2.16	101	143930	50.321 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	90132	52.678 ug/L	98
12) 1,1-Dichloroethene	2.60	96	87035	50.293 ug/L	95
13) Acetone	2.66	43	162583	104.729 ug/L	99
14) Carbon disulfide	2.82	76	269366	49.196 ug/L	100
15) Methyl Acetate	2.98	43	118364	50.022 ug/L	100
16) Methylene chloride	3.08	84	103884	49.217 ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	92338	49.670 ug/L	97
18) Methyl tert-butyl Ether	3.40	73	301086	49.824 ug/L	100
19) 1,1-Dichloroethane	3.91	63	180431	49.949 ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	103597	49.838 ug/L	98
22) 2-Butanone	4.75	43	194771	104.044 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	47900	50.883	ug/L	97
25) Chloroform	5.13	83	174826	50.160	ug/L	100
27) 1,2-Dichloroethane	5.83	62	143771	50.668	ug/L	99
29) Cyclohexane	5.43	56	167933	50.026	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	136217	50.224	ug/L	99
31) Carbon tetrachloride	5.56	117	106397	50.049	ug/L	100
33) Benzene	5.81	78	404177	50.575	ug/L	100
34) Trichloroethene	6.57	95	98987	50.395	ug/L	98
35) Methylcyclohexane	6.79	83	174119	51.127	ug/L	99
37) 1,2-Dichloropropane	6.83	63	107978	50.181	ug/L	100
38) Bromodichloromethane	7.14	83	128908	50.752	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	167912	50.658	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	322330	101.659	ug/L	100
42) Toluene	8.00	91	431816	50.717	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	143483	49.901	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	96084	50.214	ug/L	99
46) Tetrachloroethene	8.58	164	67467	52.140	ug/L	97
48) 2-Hexanone	8.71	43	257989	101.964	ug/L	97
49) Dibromochloromethane	8.83	129	93488	51.474	ug/L	98
50) 1,2-Dibromoethane	8.95	107	102784	51.367	ug/L	99
51) Chlorobenzene	9.47	112	254667	50.481	ug/L	99
52) Ethylbenzene	9.59	91	464180	50.291	ug/L	100
53) m,p-Xylene	9.72	106	175074	51.710	ug/L	99
54) o-xylene	10.12	106	170742	50.564	ug/L	99
55) Styrene	10.13	104	285175	51.662	ug/L	100
56) Isopropylbenzene	10.50	105	441260	50.877	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	174308	50.954	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	140684	50.823	ug/L	99
61) Bromoform	10.31	173	62642	49.373	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	182489	50.129	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	179837	50.001	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	183397	50.455	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	36425	50.512	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	120545	52.168	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	92902	53.663	ug/L	99
69) Naphthalene	14.12	128	151315	49.513	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	93887	54.269	ug/L	98

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

