

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011020\
 Data File : VU036425.D
 Acq On : 10 Jan 2020 10:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: Jan 10 22:56:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 10 12:21:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	530544	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	508932	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	243524	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	209324	50.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.26%
7) Chloroethane-d5	1.93	69	173471	49.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.50%
11) 1,1-Dichloroethene-d2	2.59	63	368323	52.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.60%
21) 2-Butanone-d5	4.67	46	285015	92.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.58%
24) Chloroform-d	5.11	84	375826	52.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.18%
26) 1,2-Dichloroethane-d4	5.74	65	246005	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.84%
32) Benzene-d6	5.77	84	729224	51.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.94%
36) 1,2-Dichloropropane-d6	6.73	67	233852	49.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.42%
41) Toluene-d8	7.93	98	693918	51.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.04%
43) trans-1,3-Dichloropropene-	8.21	79	129042	50.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.10%
47) 2-Hexanone-d5	8.67	63	235214	95.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.97%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	348521	48.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.72%
64) 1,2-Dichlorobenzene-d4	12.21	152	238546	46.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	195047	46.029	ug/L	99
3) Chloromethane	1.54	50	178049	46.180	ug/L	100
5) Vinyl chloride	1.62	62	184636	41.259	ug/L	99
6) Bromomethane	1.87	94	108313	50.084	ug/L	98
8) Chloroethane	1.95	64	113174	42.033	ug/L	98
9) Trichlorofluoromethane	2.16	101	275695	43.821	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	161084	51.722	ug/L	99
12) 1,1-Dichloroethene	2.61	96	147058	47.900	ug/L	95
13) Acetone	2.66	43	247541	77.524	ug/L	99
14) Carbon disulfide	2.82	76	390143	41.066	ug/L	100
15) Methyl Acetate	2.98	43	211557	49.271	ug/L	99
16) Methylene chloride	3.08	84	186147	49.531	ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	160344	48.377	ug/L	99
18) Methyl tert-butyl Ether	3.41	73	601011	49.916	ug/L	100
19) 1,1-Dichloroethane	3.91	63	332889	50.106	ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	197405	49.240	ug/L #	91
22) 2-Butanone	4.75	43	329630	87.386	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	94907	49.315	ug/L	96
25) Chloroform	5.13	83	350714	49.544	ug/L	97
27) 1,2-Dichloroethane	5.84	62	278202	50.840	ug/L	98
29) Cyclohexane	5.43	56	285289	48.380	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	312647	50.123	ug/L	99
31) Carbon tetrachloride	5.57	117	262814	48.606	ug/L	97
33) Benzene	5.81	78	723534	48.396	ug/L	100
34) Trichloroethene	6.58	95	192504	49.946	ug/L	99
35) Methylcyclohexane	6.80	83	296554	48.205	ug/L	98
37) 1,2-Dichloropropane	6.83	63	195566	48.308	ug/L	100
38) Bromodichloromethane	7.14	83	277739	48.631	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	337555	49.808	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	619724	90.085	ug/L	99
42) Toluene	8.00	91	796875	48.405	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	306362	48.524	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	195472	51.755	ug/L	98
46) Tetrachloroethene	8.58	164	135110	48.721	ug/L	97
48) 2-Hexanone	8.72	43	506779	95.741	ug/L	98
49) Dibromochloromethane	8.84	129	222808	48.061	ug/L	98
50) 1,2-Dibromoethane	8.95	107	214202	48.903	ug/L	93
51) Chlorobenzene	9.47	112	513973	49.464	ug/L	99
52) Ethylbenzene	9.60	91	917397	48.962	ug/L	100
53) m,p-Xylene	9.72	106	342548	49.285	ug/L	97
54) o-xylene	10.12	106	342756	49.149	ug/L	98
55) Styrene	10.14	104	581811	49.341	ug/L	98
56) Isopropylbenzene	10.51	105	911995	50.174	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	354199	49.614	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	274239	48.281	ug/L	98
61) Bromoform	10.32	173	169009	46.702	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	386110	49.064	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	383904	49.179	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	382020	48.451	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	77496	42.120	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	245687	47.015	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	177554	44.832	ug/L	99
69) Naphthalene	14.10	128	566151	41.602	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	183389	44.093	ug/L	98

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

