

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022420\
 Data File : VU036895.D
 Acq On : 24 Feb 2020 19:53
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Quant Time: Feb 25 03:22:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 25 03:18:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	266186	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	251829	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	111131	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	114031	51.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.02%
7) Chloroethane-d5	1.93	69	95139	51.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.88%
11) 1,1-Dichloroethene-d2	2.59	63	192265	51.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.72%
21) 2-Butanone-d5	4.67	46	161132	107.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.46%
24) Chloroform-d	5.11	84	181828	53.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.54%
26) 1,2-Dichloroethane-d4	5.74	65	119292	51.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.28%
32) Benzene-d6	5.76	84	382669	52.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.10%
36) 1,2-Dichloropropane-d6	6.73	67	123645	52.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.82%
41) Toluene-d8	7.92	98	355495	52.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.24%
43) trans-1,3-Dichloropropene-	8.20	79	56052	51.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.24%
47) 2-Hexanone-d5	8.66	63	120476	104.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.43%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	175907	52.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.76%
64) 1,2-Dichlorobenzene-d4	12.21	152	114316	52.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.40	85	115260	51.049	ug/L	99
3) Chloromethane	1.54	50	125214	48.205	ug/L	99
5) Vinyl chloride	1.62	62	137231	51.219	ug/L	100
6) Bromomethane	1.87	94	71675	52.140	ug/L	98
8) Chloroethane	1.95	64	83462	51.966	ug/L	100
9) Trichlorofluoromethane	2.16	101	145920	51.351	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	87404	51.418	ug/L	99
12) 1,1-Dichloroethene	2.61	96	89084	51.814	ug/L	88
13) Acetone	2.66	43	111904	72.556	ug/L	99
14) Carbon disulfide	2.82	76	273834	50.340	ug/L	99
15) Methyl Acetate	2.98	43	122303	52.025	ug/L	99
16) Methylene chloride	3.08	84	107000	51.025	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	94285	51.049	ug/L	96
18) Methyl tert-butyl Ether	3.40	73	308518	51.388	ug/L	100
19) 1,1-Dichloroethane	3.91	63	183076	51.013	ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	107561	52.083	ug/L	100
22) 2-Butanone	4.75	43	173474	93.274	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	48526	51.885	ug/L	96
25) Chloroform	5.13	83	176741	51.041	ug/L	99
27) 1,2-Dichloroethane	5.83	62	146889	52.105	ug/L	99
29) Cyclohexane	5.43	56	173113	51.802	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	140651	52.093	ug/L	99
31) Carbon tetrachloride	5.56	117	109588	51.783	ug/L	98
33) Benzene	5.81	78	416579	52.363	ug/L	100
34) Trichloroethene	6.57	95	104875	53.634	ug/L	99
35) Methylcyclohexane	6.79	83	172464	50.870	ug/L	100
37) 1,2-Dichloropropane	6.83	63	110644	51.652	ug/L	100
38) Bromodichloromethane	7.14	83	130527	51.622	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	169600	51.398	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	330884	104.829	ug/L	99
42) Toluene	8.00	91	443286	52.300	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	144384	50.441	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	98908	51.924	ug/L	100
46) Tetrachloroethene	8.57	164	66158	51.360	ug/L	98
48) 2-Hexanone	8.71	43	261473	103.808	ug/L	99
49) Dibromochloromethane	8.83	129	93141	51.515	ug/L	99
50) 1,2-Dibromoethane	8.95	107	103996	52.208	ug/L	99
51) Chlorobenzene	9.47	112	257040	51.182	ug/L	99
52) Ethylbenzene	9.59	91	473576	51.541	ug/L	100
53) m,p-Xylene	9.71	106	175581	52.095	ug/L	99
54) o-xylene	10.12	106	173441	51.595	ug/L	99
55) Styrene	10.13	104	287388	52.298	ug/L	99
56) Isopropylbenzene	10.50	105	449284	52.037	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	175360	51.493	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	140046	50.821	ug/L	100
61) Bromoform	10.31	173	62546	49.781	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	180403	50.041	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	179402	50.369	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	183033	50.849	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	36223	50.724	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	117973	51.555	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	90026	52.511	ug/L	99
69) Naphthalene	14.12	128	148740	49.147	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	91242	53.257	ug/L	98

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

