

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
 Data File : VU031421.D
 Acq On : 23 Apr 2019 04:17
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Apr 23 05:36:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 04:02:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	735930	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	680711	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	320450	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	278863	46.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.52%
7) Chloroethane-d5	1.68	69	225735	49.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.44%
11) 1,1-Dichloroethene-d2	2.27	63	509350	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.20%
21) 2-Butanone-d5	4.19	46	442442	99.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.24%
24) Chloroform-d	4.64	84	445423	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.74%
26) 1,2-Dichloroethane-d4	5.31	65	267721	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.06%
32) Benzene-d6	5.34	84	927105	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
36) 1,2-Dichloropropane-d6	6.32	67	307412	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.16%
41) Toluene-d8	7.56	98	832696	47.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.82%
43) trans-1,3-Dichloropropene-	7.85	79	135718	47.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.14%
47) 2-Hexanone-d5	8.31	63	317608	100.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.18%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	421774	49.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.26%
64) 1,2-Dichlorobenzene-d4	11.85	152	315597	48.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	250202	47.967	ug/L	100
3) Chloromethane	1.32	50	320684	48.200	ug/L	99
5) Vinyl chloride	1.40	62	326081	49.743	ug/L	99
6) Bromomethane	1.63	94	179823	46.996	ug/L	100
8) Chloroethane	1.70	64	193194	51.718	ug/L	99
9) Trichlorofluoromethane	1.88	101	400195	50.940	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	226595	49.721	ug/L	98
12) 1,1-Dichloroethene	2.28	96	229414	51.171	ug/L	99
13) Acetone	2.34	43	290785	83.079	ug/L	100
14) Carbon disulfide	2.47	76	674877	50.153	ug/L	100
15) Methyl Acetate	2.62	43	331473	51.842	ug/L	100
16) Methylene chloride	2.70	84	256200	50.161	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	237788	51.425	ug/L	99
18) Methyl tert-butyl Ether	2.99	73	789807	51.935	ug/L	100
19) 1,1-Dichloroethane	3.44	63	457781	50.644	ug/L	96
20) cis-1,2-Dichloroethene	4.22	96	260773	49.704	ug/L	99
22) 2-Butanone	4.28	43	444186	97.929	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	128493	48.833	ug/L	97
25) Chloroform	4.67	83	439935	50.498	ug/L	95
27) 1,2-Dichloroethane	5.40	62	320951	49.399	ug/L	98
29) Cyclohexane	4.99	56	424980	51.453	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	357319	49.237	ug/L	99
31) Carbon tetrachloride	5.13	117	309607	49.831	ug/L	97
33) Benzene	5.39	78	986358	50.072	ug/L	100
34) Trichloroethene	6.18	95	265804	50.948	ug/L	100
35) Methylcyclohexane	6.41	83	390912	51.205	ug/L	98
37) 1,2-Dichloropropane	6.43	63	276833	52.752	ug/L	100
38) Bromodichloromethane	6.75	83	328300	50.999	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	382334	48.680	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	810995	101.686	ug/L	100
42) Toluene	7.63	91	1041966	50.972	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	335964	49.624	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	241355	50.075	ug/L	98
46) Tetrachloroethene	8.22	164	188456	50.932	ug/L	98
48) 2-Hexanone	8.36	43	646179	103.863	ug/L	99
49) Dibromochloromethane	8.47	129	261500	51.137	ug/L	100
50) 1,2-Dibromoethane	8.58	107	266558	52.581	ug/L #	99
51) Chlorobenzene	9.12	112	635937	50.128	ug/L	99
52) Ethylbenzene	9.25	91	1119260	51.108	ug/L	99
53) m,p-Xylene	9.37	106	415464	51.979	ug/L	99
54) o-xylene	9.77	106	415849	51.748	ug/L	100
55) Styrene	9.79	104	702131	52.536	ug/L	97
56) Isopropylbenzene	10.16	105	1090687	52.830	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	415328	49.910	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	318820	49.225	ug/L	99
61) Bromoform	9.95	173	201199	51.067	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	470671	50.157	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	482990	51.595	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	496598	51.767	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	94075	53.029	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	360940	52.190	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	320161	57.586	ug/L	99
69) Naphthalene	13.74	128	1127154	58.317	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	329213	54.994	ug/L	99

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

