

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU031119\
 Data File : VU029883.D
 Acq On : 08 Mar 2019 13:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Mar 08 23:10:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 04:31:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	483502	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	472878	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	247433	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	166986	47.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.26%
7) Chloroethane-d5	1.68	69	136932	43.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.94%
11) 1,1-Dichloroethene-d2	2.27	63	296902	42.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.74%
21) 2-Butanone-d5	4.17	46	220220	102.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.14%
24) Chloroform-d	4.64	84	301472	52.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.92%
26) 1,2-Dichloroethane-d4	5.31	65	176312	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
32) Benzene-d6	5.34	84	642348	53.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.96%
36) 1,2-Dichloropropane-d6	6.33	67	192647	53.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.62%
41) Toluene-d8	7.56	98	616092	50.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.48%
43) trans-1,3-Dichloropropene-	7.85	79	94866	49.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.92%
47) 2-Hexanone-d5	8.31	63	179895	90.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	292621	48.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.76%
64) 1,2-Dichlorobenzene-d4	11.86	152	255796	47.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.94%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	158658	47.858	ug/L	100
3) Chloromethane	1.33	50	145766	50.120	ug/L	100
5) Vinyl chloride	1.40	62	177949	45.053	ug/L	99
6) Bromomethane	1.62	94	98449	54.615	ug/L	98
8) Chloroethane	1.69	64	109422	41.651	ug/L	99
9) Trichlorofluoromethane	1.88	101	248327	39.441	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	157381	46.730	ug/L	100
12) 1,1-Dichloroethene	2.28	96	145332	45.390	ug/L	96
13) Acetone	2.32	43	199862	86.749	ug/L	95
14) Carbon disulfide	2.48	76	406038	48.421	ug/L	100
15) Methyl Acetate	2.61	43	163112	54.545	ug/L	97
16) Methylene chloride	2.70	84	171366	55.311	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	154200	52.179	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	466415	50.978	ug/L	98
19) 1,1-Dichloroethane	3.44	63	276311	54.072	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	179188	52.183	ug/L	96
22) 2-Butanone	4.26	43	246571	93.777	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	94775	50.347	ug/L	97
25) Chloroform	4.67	83	302177	53.001	ug/L	98
27) 1,2-Dichloroethane	5.40	62	215867	49.246	ug/L	99
29) Cyclohexane	4.99	56	236766	50.595	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	245021	48.868	ug/L	99
31) Carbon tetrachloride	5.13	117	214903	47.355	ug/L	99
33) Benzene	5.39	78	654561	53.989	ug/L	100
34) Trichloroethene	6.18	95	170550	52.219	ug/L	96
35) Methylcyclohexane	6.41	83	278403	51.328	ug/L	97
37) 1,2-Dichloropropane	6.43	63	170039	53.428	ug/L	100
38) Bromodichloromethane	6.75	83	219391	51.133	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	263350	51.288	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	433889	96.950	ug/L	98
42) Toluene	7.63	91	725344	50.590	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	241247	49.853	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	175938	51.865	ug/L	98
46) Tetrachloroethene	8.22	164	149737	46.841	ug/L	97
48) 2-Hexanone	8.36	43	350461	89.641	ug/L	97
49) Dibromochloromethane	8.47	129	197573	48.043	ug/L	99
50) 1,2-Dibromoethane	8.58	107	186743	49.688	ug/L	100
51) Chlorobenzene	9.12	112	484562	49.241	ug/L	97
52) Ethylbenzene	9.25	91	794021	48.762	ug/L	99
53) m,p-Xylene	9.37	106	315461	48.261	ug/L	100
54) o-xylene	9.77	106	315737	48.088	ug/L	98
55) Styrene	9.79	104	533612	48.143	ug/L	95
56) Isopropylbenzene	10.16	105	813483	47.348	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	291114	48.531	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	220601	48.615	ug/L	100
61) Bromoform	9.95	173	153430	46.046	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	395536	50.137	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	404448	50.943	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	407498	49.483	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	59572	46.486	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	311637	51.765	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	273939	52.610	ug/L	100
69) Naphthalene	13.74	128	816253	51.001	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	285245	51.586	ug/L	99

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

