

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092619\
 Data File : VU034834.D
 Acq On : 26 Sep 2019 10:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Sep 26 15:49:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 14:52:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	462271	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	446783	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	220566	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	181991	38.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.92%
7) Chloroethane-d5	1.67	69	174204	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.26%
11) 1,1-Dichloroethene-d2	2.26	63	326522	40.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.48%
21) 2-Butanone-d5	4.16	46	439538	121.18	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.18%
24) Chloroform-d	4.62	84	372664	54.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.34%
26) 1,2-Dichloroethane-d4	5.29	65	251281	49.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.36%
32) Benzene-d6	5.31	84	739659	53.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.82%
36) 1,2-Dichloropropane-d6	6.31	67	264418	54.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.26%
41) Toluene-d8	7.54	98	702769	53.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.68%
43) trans-1,3-Dichloropropene-	7.83	79	123622	53.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.66%
47) 2-Hexanone-d5	8.29	63	289181	118.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.95%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	370858	55.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.44%
64) 1,2-Dichlorobenzene-d4	11.84	152	260170	56.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.50%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	181980	38.195	ug/L	100
3) Chloromethane	1.32	50	243701	42.701	ug/L	99
5) Vinyl chloride	1.40	62	223151	42.811	ug/L	98
6) Bromomethane	1.62	94	136998	48.123	ug/L	94
8) Chloroethane	1.69	64	145767	48.576	ug/L	98
9) Trichlorofluoromethane	1.87	101	272754	41.500	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	134762	42.764	ug/L	95
12) 1,1-Dichloroethene	2.27	96	141524	46.793	ug/L	78
13) Acetone	2.33	43	381825	90.499	ug/L	95
14) Carbon disulfide	2.46	76	426763	41.819	ug/L	99
15) Methyl Acetate	2.61	43	282782	50.175	ug/L	97
16) Methylene chloride	2.68	84	194329	50.723	ug/L	90
17) trans-1,2-Dichloroethene	2.96	96	166062	50.219	ug/L	83
18) Methyl tert-butyl Ether	2.98	73	601252	49.010	ug/L	96
19) 1,1-Dichloroethane	3.42	63	352366	46.451	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	192858	49.880	ug/L	89
22) 2-Butanone	4.25	43	470493	93.735	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	93208	50.365	ug/L	93
25) Chloroform	4.65	83	335899	44.967	ug/L	98
27) 1,2-Dichloroethane	5.38	62	285721	44.279	ug/L	98
29) Cyclohexane	4.97	56	292517	39.666	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	257915	42.414	ug/L	95
31) Carbon tetrachloride	5.11	117	211702	40.849	ug/L	96
33) Benzene	5.36	78	751748	48.514	ug/L	100
34) Trichloroethene	6.16	95	178773	46.715	ug/L	95
35) Methylcyclohexane	6.39	83	262049	40.351	ug/L	93
37) 1,2-Dichloropropane	6.41	63	219611	47.597	ug/L	99
38) Bromodichloromethane	6.73	83	257167	45.960	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	325490	46.950	ug/L	95
40) 4-Methyl-2-pentanone	7.44	43	813273	92.324	ug/L	94
42) Toluene	7.61	91	806533	48.162	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	303453	48.554	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	188000	50.868	ug/L	97
46) Tetrachloroethene	8.21	164	129371	48.060	ug/L	95
48) 2-Hexanone	8.34	43	669091	97.252	ug/L	95
49) Dibromochloromethane	8.45	129	204025	49.526	ug/L	98
50) 1,2-Dibromoethane	8.56	107	205251	51.529	ug/L	100
51) Chlorobenzene	9.10	112	503031	49.413	ug/L	97
52) Ethylbenzene	9.23	91	863417	45.785	ug/L	97
53) m,p-Xylene	9.35	106	326210	48.839	ug/L	94
54) o-xylene	9.76	106	316231	47.867	ug/L	99
55) Styrene	9.77	104	554935	49.624	ug/L	96
56) Isopropylbenzene	10.14	105	811280	45.544	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.43	83	346176	48.767	ug/L	97
59) 1,2,3-Trichloropropane	10.47	75	265412	46.056	ug/L	99
61) Bromoform	9.94	173	145465	47.900	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	378269	49.522	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	390471	50.182	ug/L	96
65) 1,2-Dichlorobenzene	11.85	146	384362	49.802	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.64	75	74748	45.565	ug/L	86
67) 1,3,5-Trichlorobenzene	12.86	180	248785	48.611	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	227511	56.530	ug/L	97
69) Naphthalene	13.72	128	836289	60.024	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	230541	55.671	ug/L	94

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

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