

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
 Data File : VU034739.D
 Acq On : 23 Sep 2019 17:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Sep 24 01:57:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 24 01:52:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	480399	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	451173	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	229888	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	207962	42.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.58%
7) Chloroethane-d5	1.67	69	166593	43.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.66%
11) 1,1-Dichloroethene-d2	2.26	63	382522	45.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.86%
21) 2-Butanone-d5	4.15	46	401204	106.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.44%
24) Chloroform-d	4.62	84	352724	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.66%
26) 1,2-Dichloroethane-d4	5.29	65	259905	49.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.90%
32) Benzene-d6	5.32	84	711028	50.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.70%
36) 1,2-Dichloropropane-d6	6.31	67	251336	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.84%
41) Toluene-d8	7.54	98	682949	51.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.66%
43) trans-1,3-Dichloropropene-	7.83	79	120966	51.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.34%
47) 2-Hexanone-d5	8.29	63	265061	107.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.97%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	343390	50.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.26%
64) 1,2-Dichlorobenzene-d4	11.84	152	245323	50.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.78%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	240923	48.658	ug/L	98
3) Chloromethane	1.32	50	284373	47.948	ug/L	98
5) Vinyl chloride	1.40	62	260368	48.066	ug/L	99
6) Bromomethane	1.62	94	141726	47.905	ug/L	94
8) Chloroethane	1.69	64	152367	48.860	ug/L	97
9) Trichlorofluoromethane	1.87	101	325386	47.640	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	166745	50.917	ug/L	98
12) 1,1-Dichloroethene	2.27	96	155803	49.570	ug/L	86
13) Acetone	2.31	43	320534	73.105	ug/L	100
14) Carbon disulfide	2.46	76	510485	48.136	ug/L	98
15) Methyl Acetate	2.60	43	298648	50.991	ug/L	100
16) Methylene chloride	2.68	84	194193	48.775	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	174392	50.748	ug/L	90
18) Methyl tert-butyl Ether	2.98	73	637739	50.023	ug/L	99
19) 1,1-Dichloroethane	3.42	63	390049	49.478	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	200884	49.995	ug/L	96
22) 2-Butanone	4.24	43	456425	87.501	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	98376	51.152	ug/L	96
25) Chloroform	4.65	83	381645	49.163	ug/L	97
27) 1,2-Dichloroethane	5.38	62	331985	49.507	ug/L	99
29) Cyclohexane	4.97	56	364346	48.926	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	307961	50.152	ug/L	98
31) Carbon tetrachloride	5.11	117	265034	50.642	ug/L	97
33) Benzene	5.37	78	796423	50.897	ug/L	100
34) Trichloroethene	6.16	95	197893	51.208	ug/L	96
35) Methylcyclohexane	6.39	83	319324	48.692	ug/L	98
37) 1,2-Dichloropropane	6.41	63	235796	50.607	ug/L	99
38) Bromodichloromethane	6.73	83	279387	49.445	ug/L	95
39) cis-1,3-Dichloropropene	7.25	75	362613	51.795	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	895790	100.702	ug/L	98
42) Toluene	7.61	91	865302	51.168	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	315907	50.055	ug/L	98
45) 1,1,2-Trichloroethane	8.04	97	191077	51.198	ug/L	97
46) Tetrachloroethene	8.21	164	141415	52.023	ug/L	97
48) 2-Hexanone	8.34	43	683906	98.439	ug/L	99
49) Dibromochloromethane	8.45	129	213491	51.320	ug/L	98
50) 1,2-Dibromoethane	8.56	107	210212	52.261	ug/L	98
51) Chlorobenzene	9.10	112	518532	50.441	ug/L	99
52) Ethylbenzene	9.22	91	958329	50.324	ug/L	99
53) m,p-Xylene	9.35	106	344827	51.123	ug/L	96
54) o-xylene	9.76	106	336755	50.478	ug/L	98
55) Styrene	9.77	104	582441	51.577	ug/L	97
56) Isopropylbenzene	10.14	105	906794	50.410	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	356136	49.682	ug/L	98
59) 1,2,3-Trichloropropane	10.47	75	285944	49.136	ug/L	98
61) Bromoform	9.94	173	156597	49.475	ug/L	98
62) 1,3-Dichlorobenzene	11.39	146	399682	50.204	ug/L	97
63) 1,4-Dichlorobenzene	11.48	146	397758	49.046	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	408306	50.759	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.63	75	83941	49.094	ug/L	92
67) 1,3,5-Trichlorobenzene	12.86	180	267886	50.221	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	244744	58.346	ug/L	99
69) Naphthalene	13.72	128	826680	56.929	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	237364	54.994	ug/L	96

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

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