

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091719\
 Data File : VU034616.D
 Acq On : 17 Sep 2019 15:27
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Sep 18 04:35:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 18 04:30:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	237488	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	221689	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	100655	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	47022	41.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.08%
7) Chloroethane-d5	1.67	69	44445	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.88%
11) 1,1-Dichloroethene-d2	2.26	63	114164	48.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.40%
21) 2-Butanone-d5	4.15	46	142920	110.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.62%
24) Chloroform-d	4.62	84	130365	50.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.24%
26) 1,2-Dichloroethane-d4	5.29	65	85002	53.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.10%
32) Benzene-d6	5.32	84	239513	49.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.26%
36) 1,2-Dichloropropane-d6	6.31	67	90947	50.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.24%
41) Toluene-d8	7.54	98	230508	48.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.42%
43) trans-1,3-Dichloropropene-	7.83	79	43204	49.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.82%
47) 2-Hexanone-d5	8.29	63	100197	101.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.79%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	147201	51.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.84%
64) 1,2-Dichlorobenzene-d4	11.84	152	88140	49.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	85344	58.328	ug/L 99
3) Chloromethane	1.32	50	82060	54.953	ug/L 99
5) Vinyl chloride	1.40	62	82407	56.210	ug/L 95
6) Bromomethane	1.62	94	38335	50.021	ug/L 96
8) Chloroethane	1.69	64	51933	61.824	ug/L 98
9) Trichlorofluoromethane	1.87	101	117254	56.521	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	68599	55.495	ug/L 95
12) 1,1-Dichloroethene	2.27	96	58947	52.223	ug/L 90
13) Acetone	2.31	43	140423	120.943	ug/L 99
14) Carbon disulfide	2.46	76	146556	52.889	ug/L 100
15) Methyl Acetate	2.60	43	111789	58.827	ug/L 96
16) Methylene chloride	2.68	84	82611	55.378	ug/L 100
17) trans-1,2-Dichloroethene	2.96	96	64681	53.543	ug/L 96
18) Methyl tert-butyl Ether	2.98	73	281944	56.373	ug/L 98
19) 1,1-Dichloroethane	3.42	63	159330	58.583	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	84950	54.299	ug/L 95
22) 2-Butanone	4.23	43	187722	127.093	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	38492	52.114	ug/L	89
25) Chloroform	4.65	83	163746	57.572	ug/L	99
27) 1,2-Dichloroethane	5.38	62	124838	61.990	ug/L	97
29) Cyclohexane	4.97	56	124092	57.418	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	127552	57.579	ug/L	98
31) Carbon tetrachloride	5.11	117	105552	56.440	ug/L	96
33) Benzene	5.36	78	322978	57.435	ug/L	100
34) Trichloroethene	6.16	95	79531	56.776	ug/L	91
35) Methylcyclohexane	6.39	83	123417	58.116	ug/L	98
37) 1,2-Dichloropropane	6.41	63	99566	58.336	ug/L	98
38) Bromodichloromethane	6.73	83	127035	56.936	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	152741	59.565	ug/L	97
40) 4-Methyl-2-pentanone	7.44	43	353220	118.974	ug/L	97
42) Toluene	7.61	91	345296	56.950	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	136540	58.069	ug/L	94
45) 1,1,2-Trichloroethane	8.04	97	88962	57.116	ug/L	96
46) Tetrachloroethene	8.21	164	48635	52.305	ug/L	98
48) 2-Hexanone	8.34	43	268412	120.342	ug/L	97
49) Dibromochloromethane	8.45	129	94784	53.732	ug/L	98
50) 1,2-Dibromoethane	8.57	107	89899	55.221	ug/L #	98
51) Chlorobenzene	9.10	112	219391	55.386	ug/L	98
52) Ethylbenzene	9.23	91	398619	56.823	ug/L	98
53) m,p-Xylene	9.35	106	140481	55.700	ug/L	97
54) o-xylene	9.76	106	143740	56.176	ug/L	95
55) Styrene	9.77	104	247994	56.309	ug/L	97
56) Isopropylbenzene	10.14	105	391820	56.933	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.43	83	175055	56.517	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	134230	57.577	ug/L	100
61) Bromoform	9.94	173	61799	49.859	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	159601	54.834	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	159391	54.232	ug/L	96
65) 1,2-Dichlorobenzene	11.85	146	163740	55.770	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.64	75	38255	57.512	ug/L	89
67) 1,3,5-Trichlorobenzene	12.86	180	102885	54.234	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	87182	53.796	ug/L	99
69) Naphthalene	13.72	128	350067	58.467	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	88921	53.596	ug/L	96

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

