

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
 Data File : VU034763.D
 Acq On : 24 Sep 2019 03:11
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Sep 24 03:45:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 24 03:36:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	527585	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	505509	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	244553	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	207282	38.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.76%
7) Chloroethane-d5	1.67	69	171818	41.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.32%
11) 1,1-Dichloroethene-d2	2.26	63	397315	43.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.88%
21) 2-Butanone-d5	4.15	46	442365	106.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.86%
24) Chloroform-d	4.62	84	387856	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.28	65	267442	46.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.66%
32) Benzene-d6	5.32	84	737847	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.18%
36) 1,2-Dichloropropane-d6	6.31	67	263629	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.28%
41) Toluene-d8	7.54	98	705756	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%
43) trans-1,3-Dichloropropene-	7.83	79	122313	46.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.26%
47) 2-Hexanone-d5	8.29	63	285987	103.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.97%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	355404	46.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.54%
64) 1,2-Dichlorobenzene-d4	11.84	152	249128	48.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	247393	45.496	ug/L	99
3) Chloromethane	1.32	50	299602	45.997	ug/L	99
5) Vinyl chloride	1.40	62	275650	46.336	ug/L	98
6) Bromomethane	1.62	94	144739	44.548	ug/L	98
8) Chloroethane	1.69	64	156930	45.822	ug/L	98
9) Trichlorofluoromethane	1.87	101	340283	45.365	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	162793	45.264	ug/L	95
12) 1,1-Dichloroethene	2.27	96	164688	47.711	ug/L	95
13) Acetone	2.31	43	290875	60.407	ug/L	100
14) Carbon disulfide	2.46	76	518440	44.514	ug/L	98
15) Methyl Acetate	2.60	43	332132	51.636	ug/L	100
16) Methylene chloride	2.68	84	210113	48.054	ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	180691	47.878	ug/L	94
18) Methyl tert-butyl Ether	2.98	73	676229	48.298	ug/L	100
19) 1,1-Dichloroethane	3.42	63	413435	47.754	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	210827	47.777	ug/L	97
22) 2-Butanone	4.23	43	477414	83.339	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	104432	49.444	ug/L	93
25) Chloroform	4.65	83	387140	45.410	ug/L	99
27) 1,2-Dichloroethane	5.38	62	349219	47.419	ug/L	99
29) Cyclohexane	4.97	56	375507	45.005	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	317946	46.212	ug/L	99
31) Carbon tetrachloride	5.11	117	276819	47.209	ug/L	99
33) Benzene	5.37	78	837349	47.760	ug/L	100
34) Trichloroethene	6.16	95	207431	47.907	ug/L	99
35) Methylcyclohexane	6.39	83	306421	41.702	ug/L	99
37) 1,2-Dichloropropane	6.41	63	247665	47.441	ug/L	99
38) Bromodichloromethane	6.73	83	297063	46.922	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	363963	46.400	ug/L	97
40) 4-Methyl-2-pentanone	7.44	43	941147	94.429	ug/L	98
42) Toluene	7.61	91	900899	47.547	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	324890	45.945	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	201669	48.228	ug/L	98
46) Tetrachloroethene	8.21	164	148711	48.827	ug/L	97
48) 2-Hexanone	8.34	43	728132	93.539	ug/L	98
49) Dibromochloromethane	8.45	129	225881	48.462	ug/L	100
50) 1,2-Dibromoethane	8.56	107	222026	49.265	ug/L	100
51) Chlorobenzene	9.10	112	546594	47.455	ug/L	98
52) Ethylbenzene	9.23	91	982194	46.033	ug/L	98
53) m,p-Xylene	9.35	106	359305	47.544	ug/L	97
54) o-xylene	9.76	106	354915	47.481	ug/L	94
55) Styrene	9.77	104	606719	47.952	ug/L	100
56) Isopropylbenzene	10.14	105	920975	45.695	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.43	83	371080	46.203	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	299120	45.875	ug/L	97
61) Bromoform	9.94	173	166513	49.453	ug/L	98
62) 1,3-Dichlorobenzene	11.39	146	398155	47.013	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	401369	46.523	ug/L	100
65) 1,2-Dichlorobenzene	11.85	146	401712	46.944	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.63	75	89284	49.088	ug/L	95
67) 1,3,5-Trichlorobenzene	12.86	180	263038	46.355	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	232339	52.067	ug/L	97
69) Naphthalene	13.72	128	873125	56.522	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	236355	51.477	ug/L	98

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

