

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
 Data File : VU034809.D
 Acq On : 25 Sep 2019 17:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Sep 26 06:55:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 04:40:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	440334	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	417153	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	208606	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	203973	45.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.50%
7) Chloroethane-d5	1.67	69	179155	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.84%
11) 1,1-Dichloroethene-d2	2.26	63	370402	48.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.04%
21) 2-Butanone-d5	4.15	46	398262	115.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.27%
24) Chloroform-d	4.62	84	360715	55.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.08%
26) 1,2-Dichloroethane-d4	5.29	65	240207	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.72%
32) Benzene-d6	5.32	84	721368	55.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.58%
36) 1,2-Dichloropropane-d6	6.31	67	253463	56.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.18%
41) Toluene-d8	7.54	98	703466	57.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.38%
43) trans-1,3-Dichloropropene-	7.83	79	114630	52.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.92%
47) 2-Hexanone-d5	8.29	63	265874	117.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.13%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	354767	56.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.16%
64) 1,2-Dichlorobenzene-d4	11.84	152	255633	58.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	228855	50.426 ug/L	99
3) Chloromethane	1.32	50	270519	49.762 ug/L	100
5) Vinyl chloride	1.40	62	264322	53.236 ug/L	99
6) Bromomethane	1.62	94	120152	44.308 ug/L	96
8) Chloroethane	1.69	64	158847	55.572 ug/L	97
9) Trichlorofluoromethane	1.87	101	338188	54.020 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	166485	55.463 ug/L	95
12) 1,1-Dichloroethene	2.27	96	167561	58.162 ug/L	81
13) Acetone	2.31	43	314781	78.325 ug/L	96
14) Carbon disulfide	2.46	76	513677	52.844 ug/L	100
15) Methyl Acetate	2.60	43	302891	56.421 ug/L	99
16) Methylene chloride	2.68	84	207060	56.739 ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	179314	56.928 ug/L	88
18) Methyl tert-butyl Ether	2.98	73	638652	54.652 ug/L	96
19) 1,1-Dichloroethane	3.42	63	383955	53.137 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	212926	57.814 ug/L	86
22) 2-Butanone	4.23	43	449625	94.040 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	100643	57.092	ug/L	90
25) Chloroform	4.65	83	368750	51.824	ug/L	100
27) 1,2-Dichloroethane	5.38	62	311632	50.700	ug/L	97
29) Cyclohexane	4.97	56	357915	51.982	ug/L	97
30) 1,1,1-Trichloroethane	4.89	97	301079	53.029	ug/L	96
31) Carbon tetrachloride	5.11	117	253635	52.416	ug/L	99
33) Benzene	5.37	78	819058	56.612	ug/L	100
34) Trichloroethene	6.16	95	204868	57.336	ug/L	97
35) Methylcyclohexane	6.39	83	326223	53.800	ug/L	94
37) 1,2-Dichloropropane	6.41	63	239899	55.687	ug/L	99
38) Bromodichloromethane	6.73	83	271171	51.905	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	360689	55.722	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	861051	104.691	ug/L	96
42) Toluene	7.61	91	892254	57.065	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	314721	53.933	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	197654	57.279	ug/L	96
46) Tetrachloroethene	8.21	164	148912	59.248	ug/L	97
48) 2-Hexanone	8.34	43	660084	102.758	ug/L	96
49) Dibromochloromethane	8.45	129	217089	56.440	ug/L	99
50) 1,2-Dibromoethane	8.56	107	215405	57.920	ug/L	99
51) Chlorobenzene	9.10	112	547087	57.558	ug/L	95
52) Ethylbenzene	9.23	91	978859	55.594	ug/L	98
53) m,p-Xylene	9.35	106	364402	58.432	ug/L	94
54) o-xylene	9.76	106	359449	58.273	ug/L	97
55) Styrene	9.77	104	613396	58.748	ug/L	95
56) Isopropylbenzene	10.14	105	942429	56.664	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.43	83	368030	55.528	ug/L	97
59) 1,2,3-Trichloropropane	10.47	75	287602	53.452	ug/L	99
61) Bromoform	9.94	173	150607	52.437	ug/L	100
62) 1,3-Dichlorobenzene	11.39	146	414308	57.350	ug/L	94
63) 1,4-Dichlorobenzene	11.48	146	406033	55.174	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	409491	56.100	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.63	75	77760	50.119	ug/L	87
67) 1,3,5-Trichlorobenzene	12.86	180	270124	55.806	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	229168	60.206	ug/L	97
69) Naphthalene	13.72	128	801567	60.831	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	233404	59.594	ug/L	96

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

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