

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031039.D
 Acq On : 11 Apr 2019 02:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Quant Time: Apr 11 05:26:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 05:17:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	542620	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	529969	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	259105	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	195217	40.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.60%
7) Chloroethane-d5	1.68	69	166481	45.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.56%
11) 1,1-Dichloroethene-d2	2.27	63	375036	42.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.62%
21) 2-Butanone-d5	4.17	46	383529	99.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.90%
24) Chloroform-d	4.64	84	360151	48.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.34%
26) 1,2-Dichloroethane-d4	5.30	65	236183	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.56%
32) Benzene-d6	5.33	84	719652	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.04%
36) 1,2-Dichloropropane-d6	6.32	67	243112	45.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.70%
41) Toluene-d8	7.56	98	638694	46.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.14%
43) trans-1,3-Dichloropropene-	7.85	79	111275	46.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.04%
47) 2-Hexanone-d5	8.31	63	243370	100.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.43%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	355660	49.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	244324	47.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	215431	45.198	ug/L 100
3) Chloromethane	1.32	50	259527	42.096	ug/L 99
5) Vinyl chloride	1.40	62	274123	45.933	ug/L 92
6) Bromomethane	1.62	94	113711	36.777	ug/L 100
8) Chloroethane	1.69	64	162381	47.705	ug/L 97
9) Trichlorofluoromethane	1.88	101	340275	48.933	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	174960	45.030	ug/L 98
12) 1,1-Dichloroethene	2.28	96	176686	47.105	ug/L 97
13) Acetone	2.31	43	272071	69.258	ug/L 99
14) Carbon disulfide	2.47	76	522427	44.835	ug/L 98
15) Methyl Acetate	2.61	43	283526	46.549	ug/L 99
16) Methylene chloride	2.70	84	214795	47.140	ug/L 94
17) trans-1,2-Dichloroethene	2.98	96	189237	47.516	ug/L 99
18) Methyl tert-butyl Ether	2.99	73	644736	48.329	ug/L 99
19) 1,1-Dichloroethane	3.44	63	387988	47.207	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	215105	48.916	ug/L 96
22) 2-Butanone	4.25	43	398726	86.568	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	107155	51.542	ug/L	91
25) Chloroform	4.67	83	397159	48.079	ug/L	99
27) 1,2-Dichloroethane	5.40	62	306953	48.686	ug/L	99
29) Cyclohexane	4.99	56	345002	45.674	ug/L	96
30) 1,1,1-Trichloroethane	4.91	97	315558	48.858	ug/L	99
31) Carbon tetrachloride	5.13	117	274028	49.235	ug/L	99
33) Benzene	5.38	78	838857	48.369	ug/L	100
34) Trichloroethene	6.18	95	211657	49.759	ug/L	98
35) Methylcyclohexane	6.41	83	307746	46.880	ug/L	97
37) 1,2-Dichloropropane	6.43	63	232727	47.391	ug/L	100
38) Bromodichloromethane	6.75	83	289616	48.886	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	336536	48.147	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	748307	94.758	ug/L	98
42) Toluene	7.63	91	880659	49.746	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	293964	47.722	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	206408	49.559	ug/L	97
46) Tetrachloroethene	8.22	164	155468	50.272	ug/L	98
48) 2-Hexanone	8.36	43	595969	96.730	ug/L	99
49) Dibromochloromethane	8.47	129	223865	50.656	ug/L	100
50) 1,2-Dibromoethane	8.58	107	221825	49.220	ug/L	99
51) Chlorobenzene	9.12	112	543087	50.018	ug/L	100
52) Ethylbenzene	9.25	91	956226	49.554	ug/L	99
53) m,p-Xylene	9.37	106	341985	50.814	ug/L	99
54) o-xylene	9.77	106	348668	52.084	ug/L	100
55) Styrene	9.79	104	602253	52.450	ug/L	100
56) Isopropylbenzene	10.16	105	913312	51.819	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	366425	48.640	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	286701	48.746	ug/L	99
61) Bromoform	9.95	173	162340	47.428	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	403097	49.224	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	404636	48.577	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	410635	49.990	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	84114	48.169	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	292587	48.890	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	256188	50.348	ug/L	98
69) Naphthalene	13.74	128	844660	51.206	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	268237	50.455	ug/L	97

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

