

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050319\
 Data File : VU031734.D
 Acq On : 03 May 2019 09:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Quant Time: May 04 02:33:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 03 07:25:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	866741	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	826380	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	383097	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	337797	46.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.14%
7) Chloroethane-d5	1.68	69	264730	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.46%
11) 1,1-Dichloroethene-d2	2.27	63	657847	45.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.08%
21) 2-Butanone-d5	4.19	46	683710	104.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.03%
24) Chloroform-d	4.64	84	595584	44.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.66%
26) 1,2-Dichloroethane-d4	5.31	65	381565	43.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.92%
32) Benzene-d6	5.33	84	1171762	46.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.36%
36) 1,2-Dichloropropane-d6	6.32	67	404776	45.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.68%
41) Toluene-d8	7.56	98	1003720	45.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.82%
43) trans-1,3-Dichloropropene-	7.85	79	180592	47.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.24%
47) 2-Hexanone-d5	8.31	63	429493	111.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.15%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	571203	47.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.34%
64) 1,2-Dichlorobenzene-d4	11.85	152	365652	45.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.78%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	409933	43.010	ug/L 98
3) Chloromethane	1.32	50	495531	42.971	ug/L 99
5) Vinyl chloride	1.40	62	473672	43.935	ug/L 99
6) Bromomethane	1.63	94	242668	42.681	ug/L 99
8) Chloroethane	1.70	64	270336	45.872	ug/L 98
9) Trichlorofluoromethane	1.88	101	533287	43.391	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	321763	46.313	ug/L 100
12) 1,1-Dichloroethene	2.28	96	310541	45.922	ug/L 94
13) Acetone	2.34	43	823121	111.182	ug/L 97
14) Carbon disulfide	2.47	76	946519	42.180	ug/L 100
15) Methyl Acetate	2.62	43	540685	48.266	ug/L 99
16) Methylene chloride	2.70	84	372522	46.679	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	324922	46.112	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	1177996	52.473	ug/L 99
19) 1,1-Dichloroethane	3.44	63	711348	47.936	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	376648	49.831	ug/L 99
22) 2-Butanone	4.27	43	956146	116.572	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	172820	47.054	ug/L	98
25) Chloroform	4.67	83	655068	46.162	ug/L	98
27) 1,2-Dichloroethane	5.40	62	540292	46.874	ug/L	99
29) Cyclohexane	4.99	56	675962	51.684	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	536080	46.300	ug/L	99
31) Carbon tetrachloride	5.13	117	451046	45.577	ug/L	99
33) Benzene	5.38	78	1473722	48.505	ug/L	100
34) Trichloroethene	6.18	95	367862	49.948	ug/L	98
35) Methylcyclohexane	6.41	83	585648	53.060	ug/L	98
37) 1,2-Dichloropropane	6.43	63	430133	49.868	ug/L	99
38) Bromodichloromethane	6.75	83	497149	47.537	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	621471	54.528	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1440083	108.518	ug/L	100
42) Toluene	7.63	91	1549292	51.191	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	536756	51.924	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	356850	50.185	ug/L	97
46) Tetrachloroethene	8.22	164	249860	49.764	ug/L	97
48) 2-Hexanone	8.36	43	1202838	112.069	ug/L	99
49) Dibromochloromethane	8.47	129	359144	48.542	ug/L	99
50) 1,2-Dibromoethane	8.58	107	372498	49.601	ug/L	96
51) Chlorobenzene	9.12	112	911820	50.983	ug/L	99
52) Ethylbenzene	9.24	91	1674436	53.336	ug/L	100
53) m,p-Xylene	9.37	106	592535	54.171	ug/L	97
54) o-xylene	9.77	106	604335	55.729	ug/L	94
55) Styrene	9.79	104	1019745	55.041	ug/L	99
56) Isopropylbenzene	10.16	105	1572667	55.151	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	640685	50.776	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	520971	50.943	ug/L	98
61) Bromoform	9.95	173	261563	46.059	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	659755	52.026	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	657514	50.065	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	677072	50.237	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	143693	45.938	ug/L	92
67) 1,3,5-Trichlorobenzene	12.88	180	480725	50.613	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	410762	54.628	ug/L	99
69) Naphthalene	13.74	128	1486570	57.985	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	420267	49.093	ug/L	98

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

