

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081819\
 Data File : VU033829.D
 Acq On : 16 Aug 2019 12:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Quant Time: Aug 17 02:15:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 16 02:54:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	388111	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	390598	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	205730	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	149146	42.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.42%
7) Chloroethane-d5	1.67	69	144099	44.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.24%
11) 1,1-Dichloroethene-d2	2.26	63	259348	44.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.88%
21) 2-Butanone-d5	4.15	46	184045	100.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.50%
24) Chloroform-d	4.62	84	265527	47.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.48%
26) 1,2-Dichloroethane-d4	5.29	65	168533	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
32) Benzene-d6	5.32	84	509092	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.56%
36) 1,2-Dichloropropane-d6	6.31	67	165663	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.40%
41) Toluene-d8	7.55	98	472009	46.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.34%
43) trans-1,3-Dichloropropene-	7.83	79	78353	47.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.74%
47) 2-Hexanone-d5	8.30	63	129179	98.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.87%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	235297	47.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.98%
64) 1,2-Dichlorobenzene-d4	11.84	152	189639	46.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	201507	52.955 ug/L	99
3) Chloromethane	1.32	50	202683	51.790 ug/L	100
5) Vinyl chloride	1.39	62	225176	51.655 ug/L	99
6) Bromomethane	1.62	94	175240	53.170 ug/L	100
8) Chloroethane	1.69	64	144287	47.780 ug/L	96
9) Trichlorofluoromethane	1.87	101	298193	51.581 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	150600	54.419 ug/L	99
12) 1,1-Dichloroethene	2.27	96	136497	50.888 ug/L	92
13) Acetone	2.31	43	186280	103.505 ug/L	97
14) Carbon disulfide	2.46	76	426560	50.431 ug/L	100
15) Methyl Acetate	2.60	43	148276	49.959 ug/L	100
16) Methylene chloride	2.68	84	158631	51.035 ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	142899	51.105 ug/L	99
18) Methyl tert-butyl Ether	2.98	73	424864	52.066 ug/L	99
19) 1,1-Dichloroethane	3.42	63	278626	51.782 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	156292	51.671 ug/L	98
22) 2-Butanone	4.24	43	224696	108.488 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	83304	50.513	ug/L	96
25) Chloroform	4.65	83	287596	51.431	ug/L	98
27) 1,2-Dichloroethane	5.38	62	225275	53.137	ug/L	99
29) Cyclohexane	4.97	56	226860	54.209	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	244282	51.949	ug/L	100
31) Carbon tetrachloride	5.11	117	218253	51.005	ug/L	99
33) Benzene	5.37	78	623099	52.810	ug/L	100
34) Trichloroethene	6.16	95	163238	51.838	ug/L	96
35) Methylcyclohexane	6.40	83	250514	54.327	ug/L	99
37) 1,2-Dichloropropane	6.41	63	168499	52.151	ug/L	99
38) Bromodichloromethane	6.74	83	211917	50.658	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	250045	53.099	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	403160	106.295	ug/L	99
42) Toluene	7.62	91	675354	54.144	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	229353	52.997	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	157130	51.813	ug/L	99
46) Tetrachloroethene	8.21	164	132343	52.422	ug/L	99
48) 2-Hexanone	8.34	43	318652	107.144	ug/L	98
49) Dibromochloromethane	8.46	129	174330	50.909	ug/L	97
50) 1,2-Dibromoethane	8.57	107	166274	51.494	ug/L	99
51) Chlorobenzene	9.10	112	421997	51.222	ug/L	99
52) Ethylbenzene	9.23	91	710323	53.749	ug/L	100
53) m,p-Xylene	9.36	106	274461	55.482	ug/L	99
54) o-xylene	9.76	106	262860	54.839	ug/L	98
55) Styrene	9.77	104	466772	56.833	ug/L	99
56) Isopropylbenzene	10.15	105	686681	54.790	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	250358	51.006	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	202166	51.657	ug/L	99
61) Bromoform	9.94	173	130600	50.971	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	340637	52.764	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	342718	51.280	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	338164	52.254	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	54287	50.452	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	257075	51.623	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	210540	51.633	ug/L	99
69) Naphthalene	13.73	128	617321	54.852	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	227767	53.819	ug/L	99

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

