

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082119\
 Data File : VU033874.D
 Acq On : 21 Aug 2019 16:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Aug 22 05:48:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 22 05:44:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	397542	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	406715	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	218254	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	133650	37.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.74%
7) Chloroethane-d5	1.67	69	123167	36.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.64%
11) 1,1-Dichloroethene-d2	2.26	63	241465	40.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.80%
21) 2-Butanone-d5	4.15	46	186875	99.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.63%
24) Chloroform-d	4.62	84	260026	45.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.34%
26) 1,2-Dichloroethane-d4	5.28	65	161731	44.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.82%
32) Benzene-d6	5.31	84	478413	42.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.44%
36) 1,2-Dichloropropane-d6	6.31	67	159137	43.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.18%
41) Toluene-d8	7.55	98	435607	41.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.74%
43) trans-1,3-Dichloropropene-	7.83	79	76311	44.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.62%
47) 2-Hexanone-d5	8.29	63	128865	94.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.73%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	243895	47.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.54%
64) 1,2-Dichlorobenzene-d4	11.84	152	192019	44.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	191207	49.056	ug/L 100
3) Chloromethane	1.32	50	176532	44.037	ug/L 99
5) Vinyl chloride	1.39	62	213754	47.872	ug/L 100
6) Bromomethane	1.61	94	121944	36.122	ug/L 98
8) Chloroethane	1.68	64	131873	42.633	ug/L 98
9) Trichlorofluoromethane	1.87	101	291354	49.203	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	142975	50.438	ug/L 100
12) 1,1-Dichloroethene	2.27	96	131889	48.003	ug/L 95
13) Acetone	2.30	43	202908	110.069	ug/L 97
14) Carbon disulfide	2.46	76	402164	46.419	ug/L 99
15) Methyl Acetate	2.60	43	144494	47.530	ug/L 98
16) Methylene chloride	2.68	84	154925	48.661	ug/L 97
17) trans-1,2-Dichloroethene	2.96	96	137490	48.004	ug/L 98
18) Methyl tert-butyl Ether	2.98	73	410332	49.092	ug/L 100
19) 1,1-Dichloroethane	3.42	63	264823	48.049	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	154662	49.919	ug/L 94
22) 2-Butanone	4.23	43	225390	106.241	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	82402	48.780	ug/L	98
25) Chloroform	4.65	83	274959	48.004	ug/L	100
27) 1,2-Dichloroethane	5.38	62	216178	49.782	ug/L	99
29) Cyclohexane	4.97	56	218543	50.152	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	232923	47.571	ug/L	99
31) Carbon tetrachloride	5.11	117	208466	46.787	ug/L	98
33) Benzene	5.37	78	599913	48.830	ug/L	100
34) Trichloroethene	6.16	95	152405	46.480	ug/L	99
35) Methylcyclohexane	6.40	83	241081	50.209	ug/L	99
37) 1,2-Dichloropropane	6.41	63	163725	48.665	ug/L	99
38) Bromodichloromethane	6.74	83	204724	46.999	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	244049	49.772	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	393428	99.618	ug/L	100
42) Toluene	7.62	91	646239	49.757	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	219375	48.683	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	153298	48.546	ug/L	98
46) Tetrachloroethene	8.21	164	131327	49.958	ug/L	96
48) 2-Hexanone	8.34	43	330168	106.617	ug/L	99
49) Dibromochloromethane	8.46	129	171555	48.114	ug/L	99
50) 1,2-Dibromoethane	8.57	107	160211	47.650	ug/L	97
51) Chlorobenzene	9.10	112	414691	48.341	ug/L	98
52) Ethylbenzene	9.23	91	689480	50.104	ug/L	99
53) m,p-Xylene	9.36	106	267845	51.999	ug/L	98
54) o-xylene	9.76	106	258458	51.783	ug/L	96
55) Styrene	9.77	104	452759	52.943	ug/L	98
56) Isopropylbenzene	10.15	105	670926	51.412	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	256955	50.275	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	201231	49.381	ug/L	99
61) Bromoform	9.94	173	128379	47.229	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	333233	48.655	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	340864	48.075	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	331003	48.213	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	53188	46.594	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	252416	47.779	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	212595	49.145	ug/L	98
69) Naphthalene	13.73	128	613216	51.360	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	221495	49.334	ug/L	99

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

