

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082219\
 Data File : VU033906.D
 Acq On : 22 Aug 2019 17:34
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

Quant Time: Aug 23 02:23:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 02:20:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	612854	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	607438	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	305370	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	247514	46.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.10%
7) Chloroethane-d5	1.66	69	202378	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.94%
11) 1,1-Dichloroethene-d2	2.25	63	453622	46.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.58%
21) 2-Butanone-d5	4.15	46	366562	101.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.36%
24) Chloroform-d	4.62	84	420785	48.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.18%
26) 1,2-Dichloroethane-d4	5.28	65	269158	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.20%
32) Benzene-d6	5.31	84	845274	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.98%
36) 1,2-Dichloropropane-d6	6.31	67	274191	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.94%
41) Toluene-d8	7.54	98	771715	49.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.98%
43) trans-1,3-Dichloropropene-	7.83	79	128614	49.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.54%
47) 2-Hexanone-d5	8.29	63	241817	103.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.85%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	383313	48.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.14%
64) 1,2-Dichlorobenzene-d4	11.84	152	291174	46.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.46%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	262764	46.314	ug/L	99
3) Chloromethane	1.32	50	259061	47.521	ug/L	99
5) Vinyl chloride	1.39	62	299350	46.748	ug/L	99
6) Bromomethane	1.61	94	125803	50.707	ug/L	98
8) Chloroethane	1.68	64	181608	47.276	ug/L	99
9) Trichlorofluoromethane	1.87	101	350170	46.630	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	199599	46.485	ug/L	99
12) 1,1-Dichloroethene	2.27	96	195754	47.360	ug/L	96
13) Acetone	2.30	43	301627	91.313	ug/L	99
14) Carbon disulfide	2.46	76	611958	46.035	ug/L	100
15) Methyl Acetate	2.60	43	279335	48.559	ug/L	100
16) Methylene chloride	2.68	84	236276	47.445	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	208721	47.015	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	662339	49.288	ug/L	100
19) 1,1-Dichloroethane	3.42	63	418843	47.341	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	235639	48.220	ug/L	97
22) 2-Butanone	4.23	43	412502	99.395	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	118528	47.163	ug/L	99
25) Chloroform	4.65	83	413783	47.222	ug/L	97
27) 1,2-Dichloroethane	5.38	62	325153	47.289	ug/L	100
29) Cyclohexane	4.97	56	353368	50.419	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	334394	47.801	ug/L	99
31) Carbon tetrachloride	5.11	117	296188	47.700	ug/L	99
33) Benzene	5.36	78	911499	49.625	ug/L	100
34) Trichloroethene	6.16	95	224996	47.210	ug/L	99
35) Methylcyclohexane	6.39	83	355337	49.455	ug/L	99
37) 1,2-Dichloropropane	6.41	63	244220	48.601	ug/L	100
38) Bromodichloromethane	6.74	83	313143	48.226	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	377118	50.492	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	733458	101.911	ug/L	100
42) Toluene	7.62	91	939649	49.438	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	336134	49.942	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	222058	48.164	ug/L	98
46) Tetrachloroethene	8.21	164	173500	46.844	ug/L	98
48) 2-Hexanone	8.34	43	588561	105.316	ug/L	99
49) Dibromochloromethane	8.46	129	244288	47.763	ug/L	99
50) 1,2-Dibromoethane	8.57	107	238854	48.581	ug/L	100
51) Chlorobenzene	9.10	112	594867	47.323	ug/L	98
52) Ethylbenzene	9.23	91	1027428	50.046	ug/L	100
53) m,p-Xylene	9.36	106	378069	49.974	ug/L	100
54) o-xylene	9.76	106	376584	50.499	ug/L	99
55) Styrene	9.77	104	656812	51.727	ug/L	97
56) Isopropylbenzene	10.15	105	981169	50.633	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	388334	48.597	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	307038	47.810	ug/L	100
61) Bromoform	9.94	173	186858	48.508	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	462019	48.166	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	464492	46.732	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	460144	48.082	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	87144	49.652	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	354001	48.012	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	301154	49.814	ug/L	100
69) Naphthalene	13.73	128	944913	52.349	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	318078	49.785	ug/L	99

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

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