

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
 Data File : VU030342.D
 Acq On : 23 Mar 2019 15:28
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV50

Quant Time: Mar 24 02:10:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Mar 24 02:05:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	439932	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	423736	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	204522	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	174723	49.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.70%
7) Chloroethane-d5	1.68	69	139881	49.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.70%
11) 1,1-Dichloroethene-d2	2.27	63	335264	49.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.84%
21) 2-Butanone-d5	4.17	46	341315	102.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.55%
24) Chloroform-d	4.64	84	302611	49.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.22%
26) 1,2-Dichloroethane-d4	5.31	65	191609	48.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.00%
32) Benzene-d6	5.34	84	614454	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.14%
36) 1,2-Dichloropropane-d6	6.33	67	210564	50.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.30%
41) Toluene-d8	7.56	98	560082	51.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.64%
43) trans-1,3-Dichloropropene-	7.85	79	100513	51.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.82%
47) 2-Hexanone-d5	8.31	63	233820	103.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	297028	49.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.86%
64) 1,2-Dichlorobenzene-d4	11.86	152	206648	50.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	242980	50.058 ug/L	100
3) Chloromethane	1.33	50	271470	50.006 ug/L	99
5) Vinyl chloride	1.40	62	257807	50.080 ug/L	98
6) Bromomethane	1.62	94	126383	53.517 ug/L	99
8) Chloroethane	1.69	64	143964	49.536 ug/L	99
9) Trichlorofluoromethane	1.88	101	280107	49.897 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	163392	50.888 ug/L	99
12) 1,1-Dichloroethene	2.28	96	161135	51.193 ug/L	92
13) Acetone	2.32	43	348959	103.676 ug/L	100
14) Carbon disulfide	2.48	76	527209	50.658 ug/L	100
15) Methyl Acetate	2.61	43	258697	50.195 ug/L #	100
16) Methylene chloride	2.70	84	184183	49.637 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	164937	49.947 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	546989	50.089 ug/L	99
19) 1,1-Dichloroethane	3.44	63	344077	50.787 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	183527	49.556 ug/L	98
22) 2-Butanone	4.26	43	438370	107.751 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	86475	50.237	ug/L	97
25) Chloroform	4.67	83	319034	49.528	ug/L	99
27) 1,2-Dichloroethane	5.40	62	250738	49.606	ug/L	98
29) Cyclohexane	4.99	56	336534	52.481	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	260326	50.174	ug/L	99
31) Carbon tetrachloride	5.13	117	223147	50.741	ug/L	99
33) Benzene	5.39	78	729769	50.593	ug/L	100
34) Trichloroethene	6.18	95	179789	50.702	ug/L	99
35) Methylcyclohexane	6.41	83	305566	52.367	ug/L	98
37) 1,2-Dichloropropane	6.43	63	201363	49.191	ug/L	100
38) Bromodichloromethane	6.75	83	244856	50.342	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	307732	52.302	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	707604	102.912	ug/L	99
42) Toluene	7.63	91	774730	51.752	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	274484	53.019	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	169972	49.143	ug/L	99
46) Tetrachloroethene	8.22	164	128585	51.917	ug/L	98
48) 2-Hexanone	8.36	43	611500	108.511	ug/L	99
49) Dibromochloromethane	8.47	129	183848	51.156	ug/L	98
50) 1,2-Dibromoethane	8.58	107	188199	50.701	ug/L	99
51) Chlorobenzene	9.12	112	460434	50.749	ug/L	99
52) Ethylbenzene	9.25	91	846157	52.178	ug/L	99
53) m,p-Xylene	9.37	106	302565	51.673	ug/L	97
54) o-xylene	9.78	106	300350	52.570	ug/L	96
55) Styrene	9.79	104	523437	53.185	ug/L	98
56) Isopropylbenzene	10.16	105	794588	52.524	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	317111	49.746	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	249222	50.019	ug/L	99
61) Bromoform	9.95	173	135754	49.923	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	344944	51.573	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	352022	51.125	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	342718	50.675	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	74556	49.510	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	265746	53.074	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	237746	54.647	ug/L	99
69) Naphthalene	13.74	128	892724	57.707	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	243984	53.109	ug/L	100

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

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