

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
 Data File : VU031218.D
 Acq On : 16 Apr 2019 18:04
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV52

Quant Time: Apr 17 02:56:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 17 02:53:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	506729	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	483688	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	237601	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	231161	49.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.08%
7) Chloroethane-d5	1.68	69	212953	52.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.12%
11) 1,1-Dichloroethene-d2	2.27	63	464902	50.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.58%
21) 2-Butanone-d5	4.19	46	384313	113.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.07%
24) Chloroform-d	4.64	84	410115	52.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.34%
26) 1,2-Dichloroethane-d4	5.31	65	238495	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
32) Benzene-d6	5.34	84	736671	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.36%
36) 1,2-Dichloropropane-d6	6.32	67	277898	56.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.00%
41) Toluene-d8	7.56	98	677344	50.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.68%
43) trans-1,3-Dichloropropene-	7.85	79	115372	48.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.28%
47) 2-Hexanone-d5	8.31	63	244952	104.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	354880	51.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.02%
64) 1,2-Dichlorobenzene-d4	11.85	152	269398	49.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	235279	50.304	ug/L 100
3) Chloromethane	1.32	50	282212	50.656	ug/L 99
5) Vinyl chloride	1.40	62	281982	50.852	ug/L 99
6) Bromomethane	1.63	94	188405	51.713	ug/L 100
8) Chloroethane	1.70	64	185779	52.110	ug/L 98
9) Trichlorofluoromethane	1.88	101	397681	51.516	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	206380	51.110	ug/L 97
12) 1,1-Dichloroethene	2.28	96	201276	50.821	ug/L 86
13) Acetone	2.34	43	271970	103.980	ug/L 100
14) Carbon disulfide	2.48	76	587045	54.715	ug/L 98
15) Methyl Acetate	2.62	43	236667	52.007	ug/L 97
16) Methylene chloride	2.70	84	190161	49.206	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	176060	48.790	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	571447	50.292	ug/L 99
19) 1,1-Dichloroethane	3.44	63	415430	57.919	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	221494	52.743	ug/L 98
22) 2-Butanone	4.27	43	394322	110.008	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	108760	52.276	uq/L	96
25) Chloroform	4.67	83	383444	52.121	uq/L	98
27) 1,2-Dichloroethane	5.40	62	273643	48.904	uq/L	99
29) Cyclohexane	4.99	56	327456	48.132	uq/L	99
30) 1,1,1-Trichloroethane	4.91	97	315529	49.299	uq/L	99
31) Carbon tetrachloride	5.13	117	268580	48.502	uq/L	98
33) Benzene	5.39	78	773546	47.548	uq/L	100
34) Trichloroethene	6.18	95	219865	54.014	uq/L	99
35) Methylcyclohexane	6.41	83	335042	55.287	uq/L	98
37) 1,2-Dichloropropane	6.43	63	240134	55.736	uq/L	99
38) Bromodichloromethane	6.75	83	287771	52.550	uq/L	99
39) cis-1,3-Dichloropropene	7.26	75	318793	49.376	uq/L	98
40) 4-Methyl-2-pentanone	7.46	43	617734	101.626	uq/L	98
42) Toluene	7.63	91	820046	50.675	uq/L	99
44) trans-1,3-Dichloropropene	7.88	75	279082	49.784	uq/L	99
45) 1,1,2-Trichloroethane	8.06	97	186454	48.084	uq/L	97
46) Tetrachloroethene	8.22	164	147578	48.203	uq/L	96
48) 2-Hexanone	8.36	43	475156	98.284	uq/L	98
49) Dibromochloromethane	8.47	129	204837	48.872	uq/L	98
50) 1,2-Dibromoethane	8.58	107	204620	49.947	uq/L	99
51) Chlorobenzene	9.12	112	504430	49.874	uq/L	99
52) Ethylbenzene	9.25	91	884420	50.203	uq/L	99
53) m,p-Xylene	9.37	106	323047	51.963	uq/L	93
54) o-xylene	9.77	106	315049	50.042	uq/L	98
55) Styrene	9.79	104	548578	51.619	uq/L	97
56) Isopropylbenzene	10.16	105	851710	52.781	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	341561	51.153	uq/L	100
59) 1,2,3-Trichloropropane	10.49	75	264602	51.636	uq/L	99
61) Bromoform	9.95	173	153628	46.704	uq/L	99
62) 1,3-Dichlorobenzene	11.41	146	386231	49.187	uq/L	98
63) 1,4-Dichlorobenzene	11.50	146	397949	50.546	uq/L	99
65) 1,2-Dichlorobenzene	11.87	146	401455	48.606	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	76617	48.619	uq/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	302270	51.437	uq/L	100
68) 1,2,4-trichlorobenzene	13.50	180	266457	55.953	uq/L	99
69) Naphthalene	13.74	128	891923	59.691	uq/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	281213	54.375	uq/L	99

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

