

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022719\
 Data File : VU029699.D
 Acq On : 26 Feb 2019 21:58
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Quant Time: Feb 27 02:45:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 27 01:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	454475	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	460145	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	246531	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	152079	45.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.34%
7) Chloroethane-d5	1.68	69	138306	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.44%
11) 1,1-Dichloroethene-d2	2.27	63	291833	44.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.66%
21) 2-Butanone-d5	4.17	46	249621	123.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.17%
24) Chloroform-d	4.65	84	305836	56.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.24%
26) 1,2-Dichloroethane-d4	5.31	65	185509	54.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.50%
32) Benzene-d6	5.34	84	635348	54.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.74%
36) 1,2-Dichloropropane-d6	6.33	67	195111	56.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.02%
41) Toluene-d8	7.56	98	609507	51.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.16%
43) trans-1,3-Dichloropropene-	7.85	79	94063	50.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.82%
47) 2-Hexanone-d5	8.31	63	191009	98.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	316456	53.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	267494	50.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	173673	55.733	ug/L 98
3) Chloromethane	1.33	50	151058	55.257	ug/L 99
5) Vinyl chloride	1.40	62	197874	53.297	ug/L 99
6) Bromomethane	1.62	94	106369	62.777	ug/L 100
8) Chloroethane	1.69	64	122399	49.567	ug/L 99
9) Trichlorofluoromethane	1.88	101	277474	46.885	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	161436	50.995	ug/L 99
12) 1,1-Dichloroethene	2.28	96	153697	51.069	ug/L 82
13) Acetone	2.32	43	172640	79.719	ug/L 98
14) Carbon disulfide	2.48	76	446598	56.660	ug/L 100
15) Methyl Acetate	2.61	43	179747	63.947	ug/L 99
16) Methylene chloride	2.70	84	177931	61.098	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	165533	59.591	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	509937	59.294	ug/L 98
19) 1,1-Dichloroethane	3.44	63	289933	60.362	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	191957	59.471	ug/L 95
22) 2-Butanone	4.26	43	258099	104.431	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	102112	57.710	ug/L	94
25) Chloroform	4.67	83	312594	58.330	ug/L	100
27) 1,2-Dichloroethane	5.40	62	233478	56.665	ug/L	99
29) Cyclohexane	4.99	56	257279	56.499	ug/L	96
30) 1,1,1-Trichloroethane	4.91	97	268672	55.068	ug/L	99
31) Carbon tetrachloride	5.13	117	231326	52.385	ug/L	99
33) Benzene	5.39	78	682313	57.836	ug/L	100
34) Trichloroethene	6.18	95	177932	55.987	ug/L	98
35) Methylcyclohexane	6.41	83	288169	54.599	ug/L	98
37) 1,2-Dichloropropane	6.43	63	180776	58.374	ug/L	99
38) Bromodichloromethane	6.75	83	230765	55.273	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	277861	55.611	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	495205	113.712	ug/L	98
42) Toluene	7.63	91	763913	54.755	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	252789	53.683	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	184591	55.922	ug/L	99
46) Tetrachloroethene	8.23	164	161242	51.836	ug/L	99
48) 2-Hexanone	8.36	43	396559	104.239	ug/L	99
49) Dibromochloromethane	8.47	129	209423	52.333	ug/L	100
50) 1,2-Dibromoethane	8.58	107	203948	55.767	ug/L	100
51) Chlorobenzene	9.12	112	520374	54.343	ug/L	98
52) Ethylbenzene	9.25	91	851977	53.769	ug/L	99
53) m,p-Xylene	9.37	106	335868	52.805	ug/L	99
54) o-xylene	9.77	106	335563	52.522	ug/L	98
55) Styrene	9.79	104	565396	52.422	ug/L	98
56) Isopropylbenzene	10.16	105	874161	52.287	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	320108	54.841	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	242214	54.855	ug/L	99
61) Bromoform	9.95	173	164940	49.681	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	420286	53.469	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	423170	53.496	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	436598	53.211	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	67937	53.207	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	324923	54.169	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	285037	54.942	ug/L	99
69) Naphthalene	13.74	128	906582	56.852	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	298031	54.096	ug/L	99

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

