

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022719\
 Data File : VU029722.D
 Acq On : 27 Feb 2019 22:17
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Feb 28 00:56:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 28 00:50:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	473555	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	468447	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	252428	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	161811	46.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.26%
7) Chloroethane-d5	1.68	69	135057	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.56%
11) 1,1-Dichloroethene-d2	2.27	63	301752	44.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.98%
21) 2-Butanone-d5	4.17	46	247515	117.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.21%
24) Chloroform-d	4.65	84	302409	53.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.46%
26) 1,2-Dichloroethane-d4	5.31	65	183024	51.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.72%
32) Benzene-d6	5.34	84	642868	54.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.08%
36) 1,2-Dichloropropane-d6	6.33	67	192737	54.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.70%
41) Toluene-d8	7.56	98	617478	51.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.66%
43) trans-1,3-Dichloropropene-	7.85	79	91626	48.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.42%
47) 2-Hexanone-d5	8.31	63	206006	104.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.31%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303366	50.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	266791	49.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	164409	50.634	ug/L 100
3) Chloromethane	1.32	50	147850	51.905	ug/L 99
5) Vinyl chloride	1.40	62	189448	48.972	ug/L 100
6) Bromomethane	1.62	94	111216	62.993	ug/L 97
8) Chloroethane	1.69	64	116489	45.273	ug/L 96
9) Trichlorofluoromethane	1.88	101	263515	42.732	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	155254	47.066	ug/L 100
12) 1,1-Dichloroethene	2.28	96	149163	47.565	ug/L 96
13) Acetone	2.32	43	175043	77.572	ug/L 98
14) Carbon disulfide	2.48	76	426264	51.901	ug/L 99
15) Methyl Acetate	2.61	43	173205	59.137	ug/L 99
16) Methylene chloride	2.70	84	172861	56.965	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	158474	54.751	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	484267	54.041	ug/L 99
19) 1,1-Dichloroethane	3.44	63	279959	55.937	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	182971	54.403	ug/L 97
22) 2-Butanone	4.26	43	258007	100.188	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	94978	51.515	ug/L	94
25) Chloroform	4.67	83	300849	53.876	ug/L	100
27) 1,2-Dichloroethane	5.40	62	223563	52.073	ug/L	99
29) Cyclohexane	4.99	56	244586	52.760	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	254256	51.190	ug/L	99
31) Carbon tetrachloride	5.13	117	218973	48.708	ug/L	99
33) Benzene	5.39	78	655866	54.609	ug/L	100
34) Trichloroethene	6.18	95	171398	52.975	ug/L	99
35) Methylcyclohexane	6.41	83	277271	51.603	ug/L	99
37) 1,2-Dichloropropane	6.43	63	172695	54.776	ug/L	100
38) Bromodichloromethane	6.76	83	218692	51.453	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	265389	52.174	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	475616	107.279	ug/L	98
42) Toluene	7.63	91	735272	51.768	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	243042	50.699	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	175562	52.244	ug/L	97
46) Tetrachloroethene	8.22	164	152303	48.094	ug/L	99
48) 2-Hexanone	8.36	43	385314	99.488	ug/L	99
49) Dibromochloromethane	8.47	129	200918	49.318	ug/L	100
50) 1,2-Dibromoethane	8.58	107	193758	52.042	ug/L	98
51) Chlorobenzene	9.12	112	496005	50.880	ug/L	98
52) Ethylbenzene	9.25	91	811600	50.313	ug/L	100
53) m,p-Xylene	9.37	106	321332	49.624	ug/L	97
54) o-xylene	9.77	106	319232	49.080	ug/L	100
55) Styrene	9.79	104	537296	48.934	ug/L	97
56) Isopropylbenzene	10.16	105	832064	48.887	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	304045	51.166	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	229540	51.063	ug/L	99
61) Bromoform	9.95	173	159947	47.052	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	397031	49.331	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	401046	49.515	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	416509	49.576	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	65062	49.765	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	305330	49.714	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	273995	51.579	ug/L	99
69) Naphthalene	13.74	128	862378	52.816	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	285199	50.557	ug/L	99

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

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