

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030420\
 Data File : VU037053.D
 Acq On : 04 Mar 2020 21:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Mar 05 01:02:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 05 00:57:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	256329	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	249354	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	106212	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	95533	44.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.76%
7) Chloroethane-d5	1.91	69	86688	48.67	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.34%
11) 1,1-Dichloroethene-d2	2.59	63	166326	46.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.28%
21) 2-Butanone-d5	4.67	46	143501	99.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.38%
24) Chloroform-d	5.10	84	172482	52.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.94%
26) 1,2-Dichloroethane-d4	5.74	65	114038	51.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.52%
32) Benzene-d6	5.76	84	354948	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.44%
36) 1,2-Dichloropropane-d6	6.72	67	117002	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.16%
41) Toluene-d8	7.92	98	326145	48.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.50%
43) trans-1,3-Dichloropropene-	8.20	79	48705	44.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.72%
47) 2-Hexanone-d5	8.66	63	106372	93.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.12%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	171081	51.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.88%
64) 1,2-Dichlorobenzene-d4	12.21	152	104313	50.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	108985	50.126	ug/L 100
3) Chloromethane	1.54	50	130263	52.077	ug/L 99
5) Vinyl chloride	1.62	62	131380	50.921	ug/L 98
6) Bromomethane	1.85	94	57308	43.291	ug/L 97
8) Chloroethane	1.93	64	80248	51.886	ug/L 100
9) Trichlorofluoromethane	2.15	101	142452	52.058	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	84997	51.925	ug/L 99
12) 1,1-Dichloroethene	2.60	96	83031	50.151	ug/L 92
13) Acetone	2.66	43	108018	72.729	ug/L 100
14) Carbon disulfide	2.81	76	235224	44.905	ug/L 100
15) Methyl Acetate	2.98	43	119275	52.688	ug/L 100
16) Methylene chloride	3.07	84	107542	53.255	ug/L 100
17) trans-1,2-Dichloroethene	3.38	96	87670	49.293	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	297753	51.502	ug/L 100
19) 1,1-Dichloroethane	3.91	63	182747	52.880	ug/L 97
20) cis-1,2-Dichloroethene	4.71	96	102551	51.567	ug/L 98
22) 2-Butanone	4.75	43	169536	94.662	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	49429	54.883	ug/L	98
25) Chloroform	5.13	83	180643	54.174	ug/L	99
27) 1,2-Dichloroethane	5.83	62	148889	54.846	ug/L	99
29) Cyclohexane	5.42	56	154849	46.797	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	138179	51.685	ug/L	98
31) Carbon tetrachloride	5.56	117	110784	52.868	ug/L	98
33) Benzene	5.81	78	408136	51.810	ug/L	100
34) Trichloroethene	6.57	95	100866	52.096	ug/L	99
35) Methylcyclohexane	6.79	83	155684	46.377	ug/L	100
37) 1,2-Dichloropropane	6.82	63	111584	52.608	ug/L	99
38) Bromodichloromethane	7.13	83	131329	52.455	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	161799	49.521	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	327709	104.854	ug/L	99
42) Toluene	8.00	91	436644	52.028	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	141560	49.946	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	101557	53.843	ug/L	98
46) Tetrachloroethene	8.58	164	63813	50.031	ug/L	99
48) 2-Hexanone	8.71	43	254839	102.178	ug/L	99
49) Dibromochloromethane	8.83	129	95884	53.558	ug/L	99
50) 1,2-Dibromoethane	8.95	107	102968	52.205	ug/L	98
51) Chlorobenzene	9.47	112	256867	51.655	ug/L	100
52) Ethylbenzene	9.59	91	463746	50.972	ug/L	99
53) m,p-Xylene	9.71	106	173071	51.860	ug/L	98
54) o-xylene	10.12	106	173682	52.180	ug/L	99
55) Styrene	10.13	104	285024	52.383	ug/L	99
56) Isopropylbenzene	10.50	105	439013	51.352	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	186860	55.415	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	149465	54.778	ug/L	99
61) Bromoform	10.31	173	65870	54.854	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	176956	51.358	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	172964	50.810	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	184187	53.539	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	35105	51.435	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	111639	51.047	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	77140	47.079	ug/L	97
69) Naphthalene	14.12	128	121685	42.070	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	80977	49.455	ug/L	99

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

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