

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011720\
 Data File : VU036508.D
 Acq On : 17 Jan 2020 09:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Quant Time: Jan 17 14:04:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 17 12:31:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	582769	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	563578	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	276466	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	163723	43.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.66%
7) Chloroethane-d5	1.93	69	147936	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.46%
11) 1,1-Dichloroethene-d2	2.59	63	331422	45.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.36%
21) 2-Butanone-d5	4.67	46	287495	88.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.50%
24) Chloroform-d	5.11	84	351410	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.44%
26) 1,2-Dichloroethane-d4	5.74	65	227564	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.02%
32) Benzene-d6	5.77	84	658671	44.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.38%
36) 1,2-Dichloropropane-d6	6.73	67	216651	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.40%
41) Toluene-d8	7.93	98	619994	44.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.94%
43) trans-1,3-Dichloropropene-	8.21	79	116808	45.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.46%
47) 2-Hexanone-d5	8.66	63	215424	87.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.70%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	333669	46.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.56%
64) 1,2-Dichlorobenzene-d4	12.21	152	244699	44.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	253947	47.021	ug/L 98
3) Chloromethane	1.54	50	224124	46.086	ug/L 99
5) Vinyl chloride	1.62	62	228083	47.252	ug/L 100
6) Bromomethane	1.87	94	139174	47.413	ug/L 99
8) Chloroethane	1.95	64	135311	47.387	ug/L 99
9) Trichlorofluoromethane	2.16	101	324418	49.346	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	178786	51.434	ug/L 98
12) 1,1-Dichloroethene	2.60	96	169739	49.280	ug/L 94
13) Acetone	2.66	43	294350	83.725	ug/L 99
14) Carbon disulfide	2.82	76	535814	48.097	ug/L 100
15) Methyl Acetate	2.98	43	216995	46.155	ug/L 100
16) Methylene chloride	3.08	84	201322	47.507	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	185438	49.106	ug/L 95
18) Methyl tert-butyl Ether	3.41	73	619360	48.129	ug/L 99
19) 1,1-Dichloroethane	3.92	63	348524	48.887	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	211855	48.932	ug/L 98
22) 2-Butanone	4.75	43	356242	89.291	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	102426	48.969	ug/L	96
25) Chloroform	5.13	83	368302	48.442	ug/L	99
27) 1,2-Dichloroethane	5.84	62	292994	48.656	ug/L	99
29) Cyclohexane	5.43	56	321656	47.586	ug/L	96
30) 1,1,1-Trichloroethane	5.36	97	330633	49.397	ug/L	99
31) Carbon tetrachloride	5.57	117	286560	49.952	ug/L	96
33) Benzene	5.81	78	782674	48.331	ug/L	100
34) Trichloroethene	6.58	95	210328	48.099	ug/L	94
35) Methylcyclohexane	6.80	83	344540	51.177	ug/L	99
37) 1,2-Dichloropropane	6.83	63	206663	48.151	ug/L	100
38) Bromodichloromethane	7.14	83	288597	48.859	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	349062	50.237	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	613860	88.907	ug/L	99
42) Toluene	8.00	91	866137	49.243	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	313622	48.725	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	196884	47.992	ug/L	97
46) Tetrachloroethene	8.58	164	149173	50.715	ug/L	93
48) 2-Hexanone	8.72	43	489233	89.590	ug/L	99
49) Dibromochloromethane	8.84	129	231994	50.838	ug/L	98
50) 1,2-Dibromoethane	8.95	107	226608	48.728	ug/L	97
51) Chlorobenzene	9.47	112	553466	50.041	ug/L	99
52) Ethylbenzene	9.60	91	980872	49.928	ug/L	99
53) m,p-Xylene	9.72	106	372237	50.669	ug/L	97
54) o-xylene	10.12	106	362082	49.370	ug/L	98
55) Styrene	10.14	104	617237	51.892	ug/L	100
56) Isopropylbenzene	10.51	105	963353	51.178	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	345512	48.431	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	273326	46.181	ug/L	97
61) Bromoform	10.32	173	165316	43.908	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	426765	49.022	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	426343	48.739	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	417174	48.582	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	85771	45.421	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	284662	54.074	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	228759	58.967	ug/L	95
69) Naphthalene	14.10	128	758542	57.864	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	224141	55.692	ug/L	100

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

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