

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU061119\
 Data File : VU032595.D
 Acq On : 11 Jun 2019 09:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Jun 12 05:30:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 11 05:38:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	181193	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	169983	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	90957	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	60064	51.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.18%
7) Chloroethane-d5	1.67	69	47879	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.36%
11) 1,1-Dichloroethene-d2	2.27	63	120927	52.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.08%
21) 2-Butanone-d5	4.17	46	102692	104.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.39%
24) Chloroform-d	4.64	84	114701	52.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.64%
26) 1,2-Dichloroethane-d4	5.30	65	72512	52.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.00%
32) Benzene-d6	5.33	84	226958	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
36) 1,2-Dichloropropane-d6	6.32	67	71040	51.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.68%
41) Toluene-d8	7.56	98	211889	50.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.28%
43) trans-1,3-Dichloropropene-	7.85	79	35221	53.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.38%
47) 2-Hexanone-d5	8.31	63	64346	95.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.87%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	101287	50.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.04%
64) 1,2-Dichlorobenzene-d4	11.85	152	88282	50.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.34%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	82043	50.225	ug/L	100
3) Chloromethane	1.32	50	73274	46.422	ug/L	99
5) Vinyl chloride	1.40	62	75380	47.808	ug/L	98
6) Bromomethane	1.62	94	37707	40.130	ug/L	99
8) Chloroethane	1.69	64	44983	47.996	ug/L	100
9) Trichlorofluoromethane	1.88	101	109477	51.420	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	58741	53.049	ug/L	99
12) 1,1-Dichloroethene	2.28	96	54351	50.552	ug/L	99
13) Acetone	2.32	43	105443	103.877	ug/L	99
14) Carbon disulfide	2.47	76	163787	50.138	ug/L	100
15) Methyl Acetate	2.61	43	76292	52.641	ug/L	99
16) Methylene chloride	2.69	84	63552	51.803	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	60208	51.677	ug/L	98
18) Methyl tert-butyl Ether	2.99	73	196104	51.234	ug/L	99
19) 1,1-Dichloroethane	3.44	63	110897	52.213	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	67269	51.017	ug/L	98
22) 2-Butanone	4.25	43	125224	104.379	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	34565	50.417	ug/L	96
25) Chloroform	4.67	83	115206	52.563	ug/L	96
27) 1,2-Dichloroethane	5.40	62	91606	52.869	ug/L	98
29) Cyclohexane	4.99	56	101747	50.324	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	100929	52.450	ug/L	99
31) Carbon tetrachloride	5.13	117	93295	52.899	ug/L	100
33) Benzene	5.38	78	244803	51.257	ug/L	100
34) Trichloroethene	6.18	95	66966	51.537	ug/L	98
35) Methylcyclohexane	6.41	83	107566	51.136	ug/L	100
37) 1,2-Dichloropropane	6.42	63	66626	52.625	ug/L	100
38) Bromodichloromethane	6.75	83	87264	53.530	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	104889	52.509	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	208901	102.565	ug/L	99
42) Toluene	7.63	91	265756	50.809	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	93215	52.575	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	62613	52.298	ug/L	100
46) Tetrachloroethene	8.22	164	56069	52.246	ug/L	99
48) 2-Hexanone	8.36	43	173734	103.852	ug/L	99
49) Dibromochloromethane	8.47	129	75188	54.031	ug/L	98
50) 1,2-Dibromoethane	8.58	107	69255	51.392	ug/L	98
51) Chlorobenzene	9.11	112	173196	51.396	ug/L	99
52) Ethylbenzene	9.24	91	295309	50.652	ug/L	99
53) m,p-Xylene	9.37	106	112080	50.556	ug/L	100
54) o-xylene	9.77	106	111535	50.671	ug/L	99
55) Styrene	9.79	104	188750	51.365	ug/L	99
56) Isopropylbenzene	10.16	105	295388	50.892	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	104791	51.212	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	83321	50.626	ug/L	99
61) Bromoform	9.95	173	58299	53.759	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	141354	51.367	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	143336	50.949	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	143241	51.486	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	26049	55.650	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	118495	55.346	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	105495	58.163	ug/L	99
69) Naphthalene	13.74	128	318422	55.657	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	108852	57.665	ug/L	100

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

