

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011620\
 Data File : VU036495.D
 Acq On : 16 Jan 2020 10:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Jan 16 14:14:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 06:52:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	607199	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	572270	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	283937	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	185379	47.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.18%
7) Chloroethane-d5	1.93	69	162340	47.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.28%
11) 1,1-Dichloroethene-d2	2.59	63	365270	48.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.64%
21) 2-Butanone-d5	4.67	46	307929	90.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.98%
24) Chloroform-d	5.11	84	383931	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.98%
26) 1,2-Dichloroethane-d4	5.74	65	248853	47.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.52%
32) Benzene-d6	5.77	84	725259	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
36) 1,2-Dichloropropane-d6	6.73	67	235879	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.92%
41) Toluene-d8	7.93	98	693735	49.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.02%
43) trans-1,3-Dichloropropene-	8.21	79	126735	48.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.66%
47) 2-Hexanone-d5	8.66	63	248981	99.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.82%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	362589	49.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.04%
64) 1,2-Dichlorobenzene-d4	12.21	152	271778	48.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	268760	47.762	ug/L 99
3) Chloromethane	1.54	50	242960	47.949	ug/L 98
5) Vinyl chloride	1.62	62	238128	47.348	ug/L 99
6) Bromomethane	1.87	94	156162	51.060	ug/L 95
8) Chloroethane	1.95	64	144715	48.641	ug/L 96
9) Trichlorofluoromethane	2.16	101	341489	49.852	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	189662	52.368	ug/L 99
12) 1,1-Dichloroethene	2.60	96	177374	49.425	ug/L 92
13) Acetone	2.66	43	304661	83.171	ug/L 100
14) Carbon disulfide	2.82	76	564230	48.610	ug/L 99
15) Methyl Acetate	2.98	43	228537	46.654	ug/L 100
16) Methylene chloride	3.08	84	206087	46.675	ug/L 94
17) trans-1,2-Dichloroethene	3.39	96	193615	49.209	ug/L 97
18) Methyl tert-butyl Ether	3.41	73	643244	47.974	ug/L 99
19) 1,1-Dichloroethane	3.91	63	357206	48.089	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	220730	48.930	ug/L 99
22) 2-Butanone	4.75	43	366252	88.106	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	108322	49.705	ug/L	98
25) Chloroform	5.13	83	387292	48.890	ug/L	99
27) 1,2-Dichloroethane	5.84	62	307942	49.081	ug/L	99
29) Cyclohexane	5.43	56	341609	49.770	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	342193	50.347	ug/L	98
31) Carbon tetrachloride	5.57	117	299507	51.416	ug/L	97
33) Benzene	5.81	78	819856	49.858	ug/L	100
34) Trichloroethene	6.58	95	223414	50.316	ug/L	98
35) Methylcyclohexane	6.80	83	357141	52.243	ug/L	99
37) 1,2-Dichloropropane	6.83	63	210959	48.405	ug/L #	96
38) Bromodichloromethane	7.14	83	294628	49.122	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	354797	50.287	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	644015	91.858	ug/L	99
42) Toluene	8.00	91	902483	50.530	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	325909	49.865	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	206069	49.467	ug/L	97
46) Tetrachloroethene	8.58	164	158962	53.222	ug/L	97
48) 2-Hexanone	8.72	43	517435	93.316	ug/L	99
49) Dibromochloromethane	8.84	129	240458	51.893	ug/L	98
50) 1,2-Dibromoethane	8.95	107	232995	49.340	ug/L	98
51) Chlorobenzene	9.47	112	576940	51.371	ug/L	98
52) Ethylbenzene	9.60	91	1038009	52.034	ug/L	98
53) m,p-Xylene	9.72	106	391459	52.476	ug/L	99
54) o-xylene	10.12	106	378814	50.867	ug/L	96
55) Styrene	10.14	104	640758	53.051	ug/L	98
56) Isopropylbenzene	10.51	105	1013747	53.038	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	367672	50.754	ug/L #	97
59) 1,2,3-Trichloropropane	10.85	75	291813	48.555	ug/L	98
61) Bromoform	10.32	173	172975	44.733	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	450852	50.426	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	440276	49.007	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	433373	49.141	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	88231	45.495	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	298659	55.240	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	238545	59.871	ug/L	98
69) Naphthalene	14.10	128	812405	60.342	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	236516	57.221	ug/L	98

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

