

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100720\
 Data File : VU040553.D
 Acq On : 07 Oct 2020 18:53
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050211

Quant Time: Oct 08 01:22:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 01:13:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	275119	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	268943	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	145255	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	109177	46.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.42%
7) Chloroethane-d5	1.92	69	80748	44.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.72%
11) 1,1-Dichloroethene-d2	2.58	63	213104	47.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.54%
21) 2-Butanone-d5	4.65	46	231536	123.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.48%
24) Chloroform-d	5.08	84	207297	50.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.72%
26) 1,2-Dichloroethane-d4	5.72	65	138623	48.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.68%
32) Benzene-d6	5.75	84	382190	49.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.86%
36) 1,2-Dichloropropane-d6	6.70	67	128037	49.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.82%
41) Toluene-d8	7.91	98	351517	50.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.32%
43) trans-1,3-Dichloropropene-	8.19	79	64494	50.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.44%
47) 2-Hexanone-d5	8.64	63	153920	128.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	128.70%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	191380	51.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.30%
66) 1,2-Dichlorobenzene-d4	12.19	152	141245	47.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	128560	48.528	ug/L 97
3) Chloromethane	1.53	50	132397	47.559	ug/L 98
5) Vinyl chloride	1.61	62	130887	47.487	ug/L 99
6) Bromomethane	1.86	94	60278	41.666	ug/L 98
8) Chloroethane	1.94	64	79058	47.539	ug/L 99
9) Trichlorofluoromethane	2.15	101	173014	48.935	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	103217	48.974	ug/L 98
12) 1,1-Dichloroethene	2.59	96	97157	49.860	ug/L 92
13) Acetone	2.65	43	201075	111.660	ug/L 100
14) Carbon disulfide	2.81	76	320817	47.958	ug/L 100
15) Methyl Acetate	2.96	43	161985	55.148	ug/L 99
16) Methylene chloride	3.06	84	111379	48.197	ug/L 95
17) trans-1,2-Dichloroethene	3.37	96	100939	48.635	ug/L 98
18) Methyl tert-butyl Ether	3.38	73	323613	49.575	ug/L 99
19) 1,1-Dichloroethane	3.89	63	200192	48.363	ug/L 99
20) cis-1,2-Dichloroethene	4.69	96	107706	48.154	ug/L 94
22) 2-Butanone	4.72	43	267229	116.331	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	56393	48.381	ug/L	98
25) Chloroform	5.11	83	202700	48.024	ug/L	100
27) 1,2-Dichloroethane	5.81	62	167667	48.135	ug/L	100
29) Cyclohexane	5.41	56	181780	50.480	ug/L	98
30) 1,1,1-Trichloroethane	5.34	97	174992	50.662	ug/L	99
31) Carbon tetrachloride	5.54	117	151289	50.652	ug/L	98
33) Benzene	5.79	78	436287	50.189	ug/L	100
34) Trichloroethene	6.56	95	109493	48.895	ug/L	98
35) Methylcyclohexane	6.78	83	172232	50.588	ug/L	99
37) 1,2-Dichloropropane	6.80	63	117777	49.339	ug/L	100
38) Bromodichloromethane	7.12	83	150411	48.509	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	173110	49.481	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	431987	114.687	ug/L	100
42) Toluene	7.98	91	449575	50.657	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	175530	49.831	ug/L	99
45) 1,1,2-Trichloroethane	8.41	97	106469	49.788	ug/L	97
46) Tetrachloroethene	8.56	164	80653	49.844	ug/L	96
48) 2-Hexanone	8.69	43	363518	118.741	ug/L	99
49) Dibromochloromethane	8.82	129	117204	50.195	ug/L	99
50) 1,2-Dibromoethane	8.93	107	117047	51.633	ug/L	97
51) Chlorobenzene	9.45	112	281415	48.344	ug/L	99
52) Ethylbenzene	9.57	91	493073	50.054	ug/L	99
53) m,p-Xylene	9.70	106	185001	51.000	ug/L	96
54) o-xylene	10.10	106	175940	50.979	ug/L	98
55) Styrene	10.11	104	316264	52.027	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	192623	50.937	ug/L	99
59) Bromoform	10.29	173	85255	47.887	ug/L	100
60) 1,2,3-Trichloropropane	10.82	75	161301	48.887	ug/L	99
61) Isopropylbenzene	10.48	105	469263	48.106	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	395641	49.365	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	406521	50.012	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	227053	47.736	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	234815	47.003	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	229199	48.102	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	51840	55.921	ug/L	96
69) 1,3,5-Trichlorobenzene	13.21	180	156175	50.113	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	136879	50.674	ug/L	99
71) Naphthalene	14.08	128	453001	54.257	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	140205	52.293	ug/L	98

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

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