

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122420\
 Data File : VU041801.D
 Acq On : 24 Dec 2020 11:51
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

Quant Time: Dec 25 02:18:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 25 02:17:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	356336	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	320214	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	158897	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	136562	51.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.56%
7) Chloroethane-d5	1.92	69	116318	52.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.18%
11) 1,1-Dichloroethene-d2	2.58	63	250692	53.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.36%
21) 2-Butanone-d5	4.64	46	219224	108.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.06%
24) Chloroform-d	5.08	84	248077	52.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.92%
26) 1,2-Dichloroethane-d4	5.72	65	152000	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.72%
32) Benzene-d6	5.74	84	490729	52.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.78%
36) 1,2-Dichloropropane-d6	6.70	67	133974	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.30%
41) Toluene-d8	7.90	98	418661	48.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.04%
43) trans-1,3-Dichloropropene-	8.18	79	70099	47.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.60%
47) 2-Hexanone-d5	8.64	63	149642	95.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.56%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	207188	47.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.90%
66) 1,2-Dichlorobenzene-d4	12.19	152	158729	48.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	144613	48.695	ug/L	99
3) Chloromethane	1.53	50	135079	49.898	ug/L	99
5) Vinyl chloride	1.61	62	169624	56.240	ug/L	97
6) Bromomethane	1.86	94	120285	54.061	ug/L	98
8) Chloroethane	1.94	64	112783	55.931	ug/L	100
9) Trichlorofluoromethane	2.15	101	232825	52.673	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	138351	57.772	ug/L	98
12) 1,1-Dichloroethene	2.59	96	132225	57.809	ug/L	96
13) Acetone	2.64	43	160406	105.865	ug/L	99
14) Carbon disulfide	2.81	76	418062	56.971	ug/L	100
15) Methyl Acetate	2.96	43	164940	57.178	ug/L	99
16) Methylene chloride	3.06	84	152262	58.233	ug/L	99
17) trans-1,2-Dichloroethene	3.37	96	137135	57.831	ug/L	98
18) Methyl tert-butyl Ether	3.38	73	421732	57.302	ug/L	99
19) 1,1-Dichloroethane	3.89	63	249782	57.666	ug/L	99
20) cis-1,2-Dichloroethene	4.69	96	145679	56.092	ug/L	96
22) 2-Butanone	4.72	43	252344	115.747	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	77409	55.580	ug/L	95
25) Chloroform	5.11	83	254592	55.751	ug/L	99
27) 1,2-Dichloroethane	5.81	62	192245	53.950	ug/L	100
29) Cyclohexane	5.40	56	226099	61.392	ug/L	97
30) 1,1,1-Trichloroethane	5.33	97	217709	54.782	ug/L	99
31) Carbon tetrachloride	5.54	117	189341	54.602	ug/L	100
33) Benzene	5.79	78	572525	56.552	ug/L	100
34) Trichloroethene	6.55	95	131814	50.253	ug/L	99
35) Methylcyclohexane	6.77	83	217180	52.222	ug/L	99
37) 1,2-Dichloropropane	6.80	63	130616	51.360	ug/L	99
38) Bromodichloromethane	7.11	83	171945	49.938	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	203011	50.088	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	362567	97.097	ug/L	99
42) Toluene	7.97	91	554701	51.893	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	199663	50.830	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	129271	50.244	ug/L	99
46) Tetrachloroethene	8.56	164	102294	50.248	ug/L	96
48) 2-Hexanone	8.69	43	300366	99.001	ug/L	99
49) Dibromochloromethane	8.81	129	142368	51.102	ug/L	96
50) 1,2-Dibromoethane	8.93	107	140193	52.198	ug/L	99
51) Chlorobenzene	9.45	112	351435	51.474	ug/L	98
52) Ethylbenzene	9.57	91	587000	52.176	ug/L	97
53) m,p-Xylene	9.69	106	231302	53.506	ug/L	95
54) o-xylene	10.10	106	227194	53.833	ug/L	99
55) Styrene	10.11	104	383150	53.375	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.78	83	220097	49.761	ug/L	99
59) Bromoform	10.29	173	110395	52.139	ug/L	99
60) 1,2,3-Trichloropropane	10.82	75	180331	49.590	ug/L	99
61) Isopropylbenzene	10.48	105	588373	53.984	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	492794	54.394	ug/L	98
63) 1,2,4-Trimethylbenzene	11.47	105	505786	55.106	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	271281	51.968	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	271637	51.618	ug/L	98
67) 1,2-Dichlorobenzene	12.20	146	276382	51.347	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	53978	47.536	ug/L	94
69) 1,3,5-Trichlorobenzene	13.21	180	193479	51.520	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	157537	52.265	ug/L	99
71) Naphthalene	14.07	128	528484	54.006	ug/L	99
72) 1,2,3-Trichlorobenzene	14.31	180	167756	55.147	ug/L	99

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

