

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011821\
 Data File : VU042093.D
 Acq On : 18 Jan 2021 14:10
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050162

Quant Time: Jan 19 01:04:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM011221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 19 01:00:57 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	294404	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	283556	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	150837	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	121880	37.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.50%
7) Chloroethane-d5	1.916	69	98933	38.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.12%
11) 1,1-Dichloroethene-d2	2.578	63	206559	39.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.80%
21) 2-Butanone-d5	4.639	46	154277	63.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	63.03%
24) Chloroform-d	5.079	84	205534	41.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.38%
26) 1,2-Dichloroethane-d4	5.713	65	126135	40.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.36%
32) Benzene-d6	5.739	84	409482	41.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.64%
36) 1,2-Dichloropropane-d6	6.700	67	131995	41.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.42%
41) Toluene-d8	7.902	98	389234	46.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.38%
43) trans-1,3-Dichloroprop...	8.182	79	68031	43.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.08%
47) 2-Hexanone-d5	8.639	63	126058	73.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	73.82%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	188803	41.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.50%
66) 1,2-Dichlorobenzene-d4	12.188	152	146624	46.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.38%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	128638	45.67	ug/L	100
3) Chloromethane	1.523	50	124938	37.97	ug/L	98
5) Vinyl chloride	1.607	62	133248	39.36	ug/L	99
6) Bromomethane	1.861	94	88626	42.87	ug/L	97
8) Chloroethane	1.938	64	80409	38.80	ug/L	99
9) Trichlorofluoromethane	2.144	101	174636	41.28	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.591	101	104507	44.34	ug/L	95
12) 1,1-Dichloroethene	2.588	96	100145	44.58	ug/L	90
13) Acetone	2.642	43	149291	72.08	ug/L	97
14) Carbon disulfide	2.803	76	305432	41.99	ug/L	100
15) Methyl Acetate	2.961	43	113868	35.03	ug/L	96
16) Methylene chloride	3.057	84	115567	44.25	ug/L	89
17) trans-1,2-Dichloroethene	3.366	96	102183	43.26	ug/L	94
18) Methyl tert-butyl Ether	3.375	73	322905	42.19	ug/L	98
19) 1,1-Dichloroethane	3.886	63	189272	40.50	ug/L	99
20) cis-1,2-Dichloroethene	4.681	96	110034	43.20	ug/L	95
22) 2-Butanone	4.719	43	186136	68.44	ug/L	92
23) Bromochloromethane	4.989	128	59223	48.46	ug/L	87
25) Chloroform	5.102	83	198751	42.79	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.806	62	147536	41.43	ug/L	96
29) Cyclohexane	5.401	56	162941	38.20	ug/L	92
30) 1,1,1-Trichloroethane	5.330	97	167871	39.70	ug/L	97
31) Carbon tetrachloride	5.539	117	147612	41.99	ug/L	100
33) Benzene	5.787	78	443533	42.20	ug/L	100
34) Trichloroethene	6.552	95	112173	43.38	ug/L	95
35) Methylcyclohexane	6.774	83	168833	44.51	ug/L	97
37) 1,2-Dichloropropane	6.800	63	115328	41.80	ug/L	100
38) Bromodichloromethane	7.115	83	148321	43.28	ug/L	98
39) cis-1,3-Dichloropropene	7.613	75	178707	44.06	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	304925	71.49	ug/L	95
42) Toluene	7.973	91	470126	46.96	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	176443	45.28	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	108957	45.26	ug/L	98
46) Tetrachloroethene	8.558	164	83512	51.45	ug/L	95
48) 2-Hexanone	8.690	43	255957	72.51	ug/L	96
49) Dibromochloromethane	8.812	129	123379	48.12	ug/L	95
50) 1,2-Dibromoethane	8.928	107	117861	46.71	ug/L #	99
51) Chlorobenzene	9.449	112	297370	48.36	ug/L	98
52) Ethylbenzene	9.571	91	508926	47.67	ug/L	98
53) m,p-Xylene	9.693	106	195356	50.45	ug/L	93
54) o-xylene	10.102	106	188787	50.49	ug/L	93
55) Styrene	10.115	104	335038	50.88	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.780	83	187243	41.99	ug/L	99
59) Bromoform	10.291	173	89968	45.89	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	150834	38.26	ug/L	100
61) Isopropylbenzene	10.484	105	493663	46.71	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	417211	46.58	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	427027	47.64	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	233621	48.32	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	233737	48.35	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	230350	46.60	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.989	75	44280	35.43	ug/L	88
69) 1,3,5-Trichlorobenzene	13.211	180	157723	48.32	ug/L	99
70) 1,2,4-trichlorobenzene	13.828	180	132712	52.74	ug/L	99
71) Naphthalene	14.076	128	435293	50.24	ug/L	99
72) 1,2,3-Trichlorobenzene	14.317	180	132983	51.59	ug/L	97

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

