

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
 Data File : VU046088.D
 Acq On : 04 Dec 2021 13:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050121

Quant Time: Dec 05 08:15:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	219553	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	216067	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	114411	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	77105	42.633	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.260%
7) Chloroethane-d5	1.919	69	54111	38.968	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.940%
11) 1,1-Dichloroethene-d2	2.575	63	142917	44.019	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.040%
21) 2-Butanone-d5	4.639	46	106221	73.881	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	73.880%
24) Chloroform-d	5.070	84	129979	43.036	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.080%
26) 1,2-Dichloroethane-d4	5.707	65	82255	40.582	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.160%
32) Benzene-d6	5.732	84	268757	43.398	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.694	67	82116	42.785	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.560%
41) Toluene-d8	7.903	98	249811	44.304	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.600%
43) trans-1,3-Dichloroprop...	8.182	79	40839	44.079	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.160%
47) 2-Hexanone-d5	8.636	63	74957	82.370	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.370%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	117680	40.431	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.860%
66) 1,2-Dichlorobenzene-d4	12.195	152	93674	42.514	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	124670	52.192	ug/L	100
3) Chloromethane	1.520	50	102261	47.863	ug/L	99
5) Vinyl chloride	1.607	62	115605	53.663	ug/L	99
6) Bromomethane	1.861	94	56732	46.463	ug/L	97
8) Chloroethane	1.938	64	64794	51.947	ug/L	100
9) Trichlorofluoromethane	2.144	101	147027	52.276	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	88863	55.624	ug/L	97
12) 1,1-Dichloroethene	2.584	96	82972	54.656	ug/L	88
13) Acetone	2.655	43	152516	84.880	ug/L	97
14) Carbon disulfide	2.800	76	250457	53.177	ug/L	100
15) Methyl Acetate	2.957	43	102454	48.912	ug/L	98
16) Methylene chloride	3.051	84	95632	52.948	ug/L	97
17) trans-1,2-Dichloroethene	3.359	96	90056	56.056	ug/L	99
18) Methyl tert-butyl Ether	3.366	73	284918	57.547	ug/L	99
19) 1,1-Dichloroethane	3.877	63	163134	55.848	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	99384	57.013	ug/L	100
22) 2-Butanone	4.716	43	180666	92.363	ug/L	98
23) Bromochloromethane	4.980	128	50226	57.049	ug/L	96
25) Chloroform	5.092	83	174477	53.760	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	131154	54.458	ug/L	100
29) Cyclohexane	5.395	56	150453	59.800	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	151048	56.951	ug/L	99
31) Carbon tetrachloride	5.530	117	128840	57.221	ug/L	98
33) Benzene	5.777	78	374080	57.203	ug/L	100
34) Trichloroethene	6.546	95	98332	57.077	ug/L	98
35) Methylcyclohexane	6.768	83	160142	59.950	ug/L	99
37) 1,2-Dichloropropane	6.793	63	96973	56.608	ug/L	100
38) Bromodichloromethane	7.108	83	127256	55.889	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	157080	60.274	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	278533	110.664	ug/L	99
42) Toluene	7.973	91	408253	58.180	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	148304	57.940	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	95063	55.312	ug/L	98
46) Tetrachloroethene	8.558	164	74836	59.110	ug/L	97
48) 2-Hexanone	8.687	43	231232	102.727	ug/L	99
49) Dibromochloromethane	8.812	129	105599	58.511	ug/L	99
50) 1,2-Dibromoethane	8.928	107	105846	56.805	ug/L	98
51) Chlorobenzene	9.449	112	260451	57.372	ug/L	99
52) Ethylbenzene	9.575	91	450099	59.601	ug/L	99
53) m,p-Xylene	9.697	106	175133	59.465	ug/L	99
54) o-xylene	10.105	106	170845	59.783	ug/L	98
55) Styrene	10.118	104	292966	60.046	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.787	83	157751	53.538	ug/L	100
59) Bromoform	10.295	173	76274	56.829	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	133149	53.090	ug/L	99
61) Isopropylbenzene	10.488	105	453568	60.930	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	385921	62.198	ug/L	98
63) 1,2,4-Trimethylbenzene	11.472	105	388701	62.616	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	205792	58.199	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	206542	56.518	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	203250	57.079	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	37047	55.449	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	153437	59.553	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	138258	60.471	ug/L	99
71) Naphthalene	14.089	128	502253	63.128	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	141104	60.521	ug/L	100

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

