

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121721\
 Data File : VU046462.D
 Acq On : 17 Dec 2021 11:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050149

Quant Time: Dec 17 13:23:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 03:50:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	148121	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	149896	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	84784	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	60670	49.724	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.440%
7) Chloroethane-d5	1.919	69	43789	46.742	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.480%
11) 1,1-Dichloroethene-d2	2.575	63	105878	48.338	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.680%
21) 2-Butanone-d5	4.636	46	79306	81.762	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.760%
24) Chloroform-d	5.070	84	108376	53.189	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.380%
26) 1,2-Dichloroethane-d4	5.707	65	68753	50.278	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.560%
32) Benzene-d6	5.732	84	207514	48.301	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	6.694	67	63695	47.837	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.680%
41) Toluene-d8	7.903	98	186659	47.718	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.440%
43) trans-1,3-Dichloroprop...	8.182	79	31504	49.014	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.020%
47) 2-Hexanone-d5	8.636	63	61983	98.182	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.180%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	93470	46.289	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.580%
66) 1,2-Dichlorobenzene-d4	12.195	152	71207	43.611	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	81553	50.606	ug/L	98
3) Chloromethane	1.523	50	74266	51.523	ug/L	100
5) Vinyl chloride	1.607	62	79737	54.863	ug/L	100
6) Bromomethane	1.864	94	45707	55.486	ug/L	100
8) Chloroethane	1.938	64	44192	52.516	ug/L	98
9) Trichlorofluoromethane	2.144	101	110783	58.385	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	61673	57.222	ug/L	97
12) 1,1-Dichloroethene	2.588	96	56483	55.150	ug/L	90
13) Acetone	2.649	43	96285	79.428	ug/L	97
14) Carbon disulfide	2.800	76	176267	55.473	ug/L	100
15) Methyl Acetate	2.957	43	65085	46.057	ug/L	97
16) Methylene chloride	3.054	84	67085	55.054	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	60700	56.004	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	189772	56.814	ug/L	99
19) 1,1-Dichloroethane	3.877	63	113594	57.642	ug/L	97
20) cis-1,2-Dichloroethene	4.671	96	65646	55.820	ug/L	99
22) 2-Butanone	4.713	43	113947	86.347	ug/L	97
23) Bromochloromethane	4.980	128	34427	57.961	ug/L	94
25) Chloroform	5.092	83	120882	55.209	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	98994	60.928	ug/L	98
29) Cyclohexane	5.395	56	98017	56.156	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	107500	58.424	ug/L	100
31) Carbon tetrachloride	5.530	117	92128	58.979	ug/L	98
33) Benzene	5.777	78	258909	57.069	ug/L	100
34) Trichloroethene	6.546	95	65855	55.100	ug/L	98
35) Methylcyclohexane	6.768	83	110391	59.568	ug/L	99
37) 1,2-Dichloropropane	6.797	63	67073	56.438	ug/L	99
38) Bromodichloromethane	7.108	83	90832	57.502	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	101386	56.077	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	175047	100.250	ug/L	99
42) Toluene	7.973	91	282073	57.943	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	101036	56.899	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	66290	55.598	ug/L	99
46) Tetrachloroethene	8.555	164	51611	58.762	ug/L	98
48) 2-Hexanone	8.687	43	151470	96.997	ug/L	99
49) Dibromochloromethane	8.813	129	71319	56.961	ug/L	96
50) 1,2-Dibromoethane	8.925	107	69566	53.816	ug/L #	95
51) Chlorobenzene	9.449	112	175066	55.587	ug/L	99
52) Ethylbenzene	9.575	91	300330	57.325	ug/L	99
53) m,p-Xylene	9.697	106	119057	58.271	ug/L	98
54) o-xylene	10.105	106	114225	57.615	ug/L	96
55) Styrene	10.118	104	201232	59.452	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.784	83	109400	53.519	ug/L	100
59) Bromoform	10.295	173	51889	52.170	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	90204	48.535	ug/L	99
61) Isopropylbenzene	10.488	105	301008	54.566	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	261940	56.969	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	264097	57.410	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	138883	53.002	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	142347	52.563	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	139281	52.782	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	27043	54.620	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	106173	55.609	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	95765	56.522	ug/L	100
71) Naphthalene	14.089	128	341268	57.883	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	100470	58.151	ug/L	99

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

