

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046163.D
 Acq On : 08 Dec 2021 10:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050128

Quant Time: Dec 09 03:18:36 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	223557	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	219583	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	119004	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	79697	43.277	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.560%
7) Chloroethane-d5	1.919	69	60410	42.725	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.460%
11) 1,1-Dichloroethene-d2	2.575	63	144555	43.726	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.460%
21) 2-Butanone-d5	4.642	46	137737	94.086	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.090%
24) Chloroform-d	5.070	84	142685	46.397	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.707	65	93690	45.395	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.800%
32) Benzene-d6	5.732	84	301327	47.878	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.760%
36) 1,2-Dichloropropane-d6	6.694	67	92037	47.186	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.380%
41) Toluene-d8	7.903	98	282942	49.376	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.760%
43) trans-1,3-Dichloroprop...	8.182	79	48188	51.178	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.360%
47) 2-Hexanone-d5	8.636	63	98490	106.498	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.500%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	143679	48.573	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.140%
66) 1,2-Dichlorobenzene-d4	12.195	152	112379	49.035	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	100605	41.363	ug/L	99
3) Chloromethane	1.523	50	88322	40.599	ug/L	100
5) Vinyl chloride	1.607	62	95841	43.692	ug/L	100
6) Bromomethane	1.864	94	57176	45.988	ug/L	99
8) Chloroethane	1.941	64	55330	43.565	ug/L	97
9) Trichlorofluoromethane	2.144	101	126413	44.141	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	79572	48.917	ug/L	96
12) 1,1-Dichloroethene	2.588	96	73400	47.484	ug/L	88
13) Acetone	2.662	43	149202	81.549	ug/L	97
14) Carbon disulfide	2.800	76	203390	42.410	ug/L	100
15) Methyl Acetate	2.961	43	100817	47.269	ug/L	98
16) Methylene chloride	3.051	84	86003	46.764	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	79664	48.699	ug/L	99
18) Methyl tert-butyl Ether	3.366	73	265755	52.715	ug/L	100
19) 1,1-Dichloroethane	3.877	63	145912	49.058	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	89866	50.629	ug/L	99
22) 2-Butanone	4.719	43	174865	87.797	ug/L	97
23) Bromochloromethane	4.980	128	46019	51.334	ug/L	92
25) Chloroform	5.092	83	161544	48.884	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	118344	48.259	ug/L	100
29) Cyclohexane	5.395	56	126968	49.657	ug/L	98
30) 1,1,1-Trichloroethane	5.324	97	134785	50.006	ug/L	99
31) Carbon tetrachloride	5.530	117	114285	49.944	ug/L	99
33) Benzene	5.777	78	332419	50.018	ug/L	100
34) Trichloroethene	6.546	95	89142	50.914	ug/L	99
35) Methylcyclohexane	6.768	83	134820	49.662	ug/L	99
37) 1,2-Dichloropropane	6.793	63	87984	50.538	ug/L	99
38) Bromodichloromethane	7.108	83	116143	50.191	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	142718	53.886	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	263109	102.862	ug/L	98
42) Toluene	7.973	91	370564	51.963	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	134943	51.876	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	91040	52.123	ug/L	98
46) Tetrachloroethene	8.555	164	67985	52.839	ug/L	98
48) 2-Hexanone	8.687	43	222289	97.172	ug/L	97
49) Dibromochloromethane	8.813	129	98092	53.481	ug/L	97
50) 1,2-Dibromoethane	8.925	107	99107	52.337	ug/L	100
51) Chlorobenzene	9.449	112	239651	51.944	ug/L	98
52) Ethylbenzene	9.571	91	408215	53.189	ug/L	99
53) m,p-Xylene	9.697	106	160750	53.708	ug/L	97
54) o-xylene	10.102	106	157090	54.090	ug/L	95
55) Styrene	10.115	104	269967	54.446	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.784	83	152164	50.815	ug/L	99
59) Bromoform	10.292	173	73781	52.850	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	129124	49.498	ug/L	99
61) Isopropylbenzene	10.488	105	415389	53.648	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	355338	55.059	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	355538	55.063	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	194815	52.968	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	198764	52.290	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	192126	51.872	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	34543	49.706	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	143575	53.575	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	130810	55.005	ug/L	99
71) Naphthalene	14.086	128	480981	58.121	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	132908	54.806	ug/L	98

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

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