

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011022\
 Data File : VU046719.D
 Acq On : 10 Jan 2022 17:01
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050159

Quant Time: Jan 11 01:20:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 07 23:26:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	169556	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	164366	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	90940	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	67056	45.321	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.640%
7) Chloroethane-d5	1.919	69	51204	46.585	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.160%
11) 1,1-Dichloroethene-d2	2.575	63	119426	47.457	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.920%
21) 2-Butanone-d5	4.649	46	101677	93.893	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.890%
24) Chloroform-d	5.067	84	123070	47.184	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.360%
26) 1,2-Dichloroethane-d4	5.706	65	76787	46.419	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.840%
32) Benzene-d6	5.732	84	243209	47.414	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.820%
36) 1,2-Dichloropropane-d6	6.694	67	71268	45.536	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.080%
41) Toluene-d8	7.899	98	227201	49.546	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.100%
43) trans-1,3-Dichloroprop...	8.182	79	37129	49.242	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.480%
47) 2-Hexanone-d5	8.639	63	87228	104.909	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.910%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	114955	47.425	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.840%
66) 1,2-Dichlorobenzene-d4	12.195	152	92434	49.121	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	79743	51.052	ug/L	100
3) Chloromethane	1.523	50	69549	50.033	ug/L	99
5) Vinyl chloride	1.607	62	73048	50.701	ug/L	99
6) Bromomethane	1.864	94	46645	51.106	ug/L	100
8) Chloroethane	1.941	64	45626	52.321	ug/L	97
9) Trichlorofluoromethane	2.144	101	112059	52.842	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	64250	53.871	ug/L	99
12) 1,1-Dichloroethene	2.588	96	57608	51.297	ug/L	94
13) Acetone	2.671	43	102600	99.556	ug/L	99
14) Carbon disulfide	2.800	76	149583	44.808	ug/L	100
15) Methyl Acetate	2.964	43	71445	54.277	ug/L	98
16) Methylene chloride	3.051	84	67560	48.837	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	61595	52.461	ug/L	96
18) Methyl tert-butyl Ether	3.366	73	205612	58.941	ug/L	100
19) 1,1-Dichloroethane	3.877	63	112198	52.396	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	69527	55.253	ug/L	98
22) 2-Butanone	4.729	43	129764	110.449	ug/L	98
23) Bromochloromethane	4.980	128	36368	54.068	ug/L	95
25) Chloroform	5.092	83	125622	53.709	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	97031	53.996	ug/L	99
29) Cyclohexane	5.395	56	92590	52.993	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	111332	55.371	ug/L	98
31) Carbon tetrachloride	5.530	117	93234	53.531	ug/L	99
33) Benzene	5.777	78	265785	54.364	ug/L	100
34) Trichloroethene	6.546	95	68352	53.302	ug/L	100
35) Methylcyclohexane	6.767	83	108218	54.343	ug/L	99
37) 1,2-Dichloropropane	6.793	63	66217	52.931	ug/L	99
38) Bromodichloromethane	7.108	83	93124	54.128	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	106893	55.528	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	197938	115.737	ug/L	98
42) Toluene	7.970	91	291842	56.601	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	107568	57.597	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	71008	55.552	ug/L	98
46) Tetrachloroethene	8.555	164	55063	56.595	ug/L	95
48) 2-Hexanone	8.687	43	169528	116.949	ug/L	98
49) Dibromochloromethane	8.812	129	76142	54.238	ug/L	100
50) 1,2-Dibromoethane	8.925	107	75542	56.697	ug/L	97
51) Chlorobenzene	9.449	112	187584	55.971	ug/L	98
52) Ethylbenzene	9.571	91	316529	57.865	ug/L	100
53) m,p-Xylene	9.693	106	125943	59.614	ug/L	99
54) o-xylene	10.102	106	121385	60.086	ug/L	99
55) Styrene	10.115	104	214545	60.687	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	124393	55.643	ug/L	98
59) Bromoform	10.291	173	60167	54.445	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	102357	53.488	ug/L	98
61) Isopropylbenzene	10.484	105	325836	58.656	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	278835	59.712	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	281373	60.474	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	159879	57.421	ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	161113	55.533	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	158495	56.636	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	30453	53.160	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	123019	57.686	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	111242	61.023	ug/L	99
71) Naphthalene	14.086	128	376887	63.568	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	111710	60.644	ug/L	98

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

