

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046255.D
 Acq On : 10 Dec 2021 04:46
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050133

Quant Time: Dec 10 05:26:53 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	167526	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	174235	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	99837	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	68905	49.931	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.860%
7) Chloroethane-d5	1.919	69	50244	47.420	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.840%
11) 1,1-Dichloroethene-d2	2.575	63	117783	47.544	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.080%
21) 2-Butanone-d5	4.639	46	107653	98.132	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.130%
24) Chloroform-d	5.070	84	115587	50.157	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.320%
26) 1,2-Dichloroethane-d4	5.707	65	76768	49.637	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.280%
32) Benzene-d6	5.732	84	240169	48.093	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.180%
36) 1,2-Dichloropropane-d6	6.694	67	74513	48.145	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.280%
41) Toluene-d8	7.899	98	223440	49.141	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.280%
43) trans-1,3-Dichloroprop...	8.182	79	38382	51.373	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.740%
47) 2-Hexanone-d5	8.636	63	76865	104.747	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.750%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	119796	51.039	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.080%
66) 1,2-Dichlorobenzene-d4	12.195	152	90249	46.939	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	79426	43.577	ug/L	99
3) Chloromethane	1.523	50	70994	43.548	ug/L	100
5) Vinyl chloride	1.607	62	77194	46.961	ug/L	99
6) Bromomethane	1.864	94	45436	48.768	ug/L	97
8) Chloroethane	1.941	64	45395	47.697	ug/L	100
9) Trichlorofluoromethane	2.144	101	110397	51.442	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	62412	51.200	ug/L	97
12) 1,1-Dichloroethene	2.588	96	58186	50.232	ug/L	89
13) Acetone	2.658	43	76888	56.080	ug/L	96
14) Carbon disulfide	2.800	76	163749	45.564	ug/L	100
15) Methyl Acetate	2.957	43	78175	48.912	ug/L	98
16) Methylene chloride	3.051	84	71444	51.840	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	62444	50.940	ug/L	98
18) Methyl tert-butyl Ether	3.369	73	201175	53.252	ug/L	100
19) 1,1-Dichloroethane	3.877	63	117574	52.751	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	71932	54.080	ug/L	97
22) 2-Butanone	4.719	43	114121	76.462	ug/L	96
23) Bromochloromethane	4.980	128	36818	54.807	ug/L	88
25) Chloroform	5.092	83	135943	54.895	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	96267	52.386	ug/L	100
29) Cyclohexane	5.395	56	91854	45.274	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	111669	52.212	ug/L	99
31) Carbon tetrachloride	5.530	117	97314	53.596	ug/L	99
33) Benzene	5.777	78	265723	50.389	ug/L	100
34) Trichloroethene	6.546	95	71899	51.754	ug/L	99
35) Methylcyclohexane	6.768	83	99606	46.240	ug/L	99
37) 1,2-Dichloropropane	6.793	63	70512	51.043	ug/L	99
38) Bromodichloromethane	7.108	83	101614	55.342	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	111050	52.842	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	205817	101.406	ug/L	98
42) Toluene	7.973	91	296024	52.315	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	108622	52.626	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	72424	52.257	ug/L	98
46) Tetrachloroethene	8.555	164	52009	50.943	ug/L	96
48) 2-Hexanone	8.687	43	165945	91.422	ug/L	99
49) Dibromochloromethane	8.813	129	85008	58.410	ug/L	100
50) 1,2-Dibromoethane	8.925	107	78906	52.514	ug/L	99
51) Chlorobenzene	9.449	112	189185	51.679	ug/L	99
52) Ethylbenzene	9.571	91	319580	52.478	ug/L	99
53) m,p-Xylene	9.697	106	124818	52.556	ug/L	98
54) o-xylene	10.102	106	123298	53.504	ug/L	99
55) Styrene	10.115	104	222934	56.663	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.784	83	125776	52.935	ug/L	98
59) Bromoform	10.292	173	66832	57.063	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	105323	48.125	ug/L	99
61) Isopropylbenzene	10.488	105	323736	49.838	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	268391	49.571	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	272310	50.270	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	157347	50.994	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	159959	50.161	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	153265	49.324	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	31973	54.840	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	108011	48.042	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	98325	49.283	ug/L	99
71) Naphthalene	14.086	128	381107	54.894	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	105339	51.777	ug/L	99

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

