

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046300.D
 Acq On : 11 Dec 2021 20:20
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050137

Quant Time: Dec 12 04:08:09 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	159493	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	165401	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	95488	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	51437	39.151	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.300%
7) Chloroethane-d5	1.915	69	41355	40.997	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.000%
11) 1,1-Dichloroethene-d2	2.575	63	99437	42.160	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.320%
21) 2-Butanone-d5	4.636	46	118348	113.314	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.310%
24) Chloroform-d	5.070	84	108490	49.448	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.900%
26) 1,2-Dichloroethane-d4	5.706	65	76041	51.643	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.280%
32) Benzene-d6	5.732	84	221868	46.801	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.693	67	72078	49.059	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.120%
41) Toluene-d8	7.899	98	200072	46.352	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.700%
43) trans-1,3-Dichloroprop...	8.182	79	35147	49.556	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.120%
47) 2-Hexanone-d5	8.635	63	87624	125.786	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	125.790%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	126978	56.989	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.980%
66) 1,2-Dichlorobenzene-d4	12.195	152	86219	46.885	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	73678	42.460	ug/L	100
3) Chloromethane	1.520	50	65461	42.177	ug/L	100
5) Vinyl chloride	1.607	62	69619	44.486	ug/L	100
6) Bromomethane	1.861	94	43093	48.583	ug/L	98
8) Chloroethane	1.938	64	40285	44.459	ug/L	100
9) Trichlorofluoromethane	2.141	101	102187	50.015	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	59480	51.252	ug/L	97
12) 1,1-Dichloroethene	2.584	96	54060	49.021	ug/L	89
13) Acetone	2.652	43	77102	59.068	ug/L	94
14) Carbon disulfide	2.796	76	136468	39.886	ug/L	99
15) Methyl Acetate	2.957	43	72668	47.756	ug/L	97
16) Methylene chloride	3.050	84	74733	56.958	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	58084	49.770	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	197668	54.959	ug/L	99
19) 1,1-Dichloroethane	3.874	63	117775	55.503	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	69201	54.647	ug/L	99
22) 2-Butanone	4.716	43	117427	82.640	ug/L	96
23) Bromochloromethane	4.980	128	37130	58.055	ug/L	93
25) Chloroform	5.092	83	137394	58.276	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	96812	55.336	ug/L	100
29) Cyclohexane	5.391	56	85700	44.497	ug/L	99
30) 1,1,1-Trichloroethane	5.320	97	106346	52.379	ug/L	99
31) Carbon tetrachloride	5.529	117	94464	54.805	ug/L	99
33) Benzene	5.777	78	257877	51.513	ug/L	100
34) Trichloroethene	6.545	95	66466	50.399	ug/L	99
35) Methylcyclohexane	6.767	83	92974	45.467	ug/L	100
37) 1,2-Dichloropropane	6.793	63	70465	53.734	ug/L	100
38) Bromodichloromethane	7.108	83	100204	57.489	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	104984	52.624	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	210455	109.229	ug/L	100
42) Toluene	7.973	91	282177	52.531	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	104614	53.391	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	73683	56.005	ug/L	99
46) Tetrachloroethene	8.555	164	49398	50.970	ug/L	99
48) 2-Hexanone	8.687	43	168739	97.927	ug/L	99
49) Dibromochloromethane	8.812	129	83910	60.735	ug/L	93
50) 1,2-Dibromoethane	8.925	107	74476	52.213	ug/L #	98
51) Chlorobenzene	9.449	112	185675	53.429	ug/L	98
52) Ethylbenzene	9.571	91	308498	53.364	ug/L	99
53) m,p-Xylene	9.696	106	122430	54.304	ug/L	98
54) o-xylene	10.102	106	118495	54.166	ug/L	98
55) Styrene	10.114	104	216544	57.978	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	127268	56.423	ug/L	100
59) Bromoform	10.291	173	64291	57.393	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	106584	50.920	ug/L	98
61) Isopropylbenzene	10.487	105	314119	50.560	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	270264	52.190	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	276488	53.366	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	150933	51.143	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	154312	50.594	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	152454	51.298	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	32432	58.161	ug/L	99
69) 1,3,5-Trichlorobenzene	13.220	180	107446	49.967	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	98412	51.573	ug/L	99
71) Naphthalene	14.089	128	373338	56.224	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	104565	53.737	ug/L	98

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

