

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101221\
 Data File : VU045297.D
 Acq On : 12 Oct 2021 17:25
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050104

Quant Time: Oct 13 02:55:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 13 02:48:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	282848	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	274965	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	138774	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	107379	34.679	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.360%
7) Chloroethane-d5	1.909	69	92882	37.855	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.700%
11) 1,1-Dichloroethene-d2	2.568	63	215864	41.513	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.020%
21) 2-Butanone-d5	4.626	46	231906	94.737	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.740%
24) Chloroform-d	5.070	84	224137	45.832	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.660%
26) 1,2-Dichloroethane-d4	5.706	65	148396	44.798	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.600%
32) Benzene-d6	5.732	84	443488	46.481	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.960%
36) 1,2-Dichloropropane-d6	6.697	67	144008	46.289	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.580%
41) Toluene-d8	7.902	98	400822	48.680	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.360%
43) trans-1,3-Dichloroprop...	8.182	79	69340	50.105	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.220%
47) 2-Hexanone-d5	8.635	63	161022	93.397	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.400%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	222317	45.891	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.780%
66) 1,2-Dichlorobenzene-d4	12.198	152	149658	49.554	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	120734	44.580	ug/L	99
3) Chloromethane	1.523	50	140670	41.671	ug/L	99
5) Vinyl chloride	1.604	62	141365	42.743	ug/L	97
6) Bromomethane	1.848	94	77794	49.041	ug/L	99
8) Chloroethane	1.928	64	91920	44.283	ug/L	99
9) Trichlorofluoromethane	2.137	101	170144	44.947	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	115450	48.320	ug/L	99
12) 1,1-Dichloroethene	2.581	96	110813	50.592	ug/L	83
13) Acetone	2.632	43	207610	73.370	ug/L	98
14) Carbon disulfide	2.793	76	307728	43.854	ug/L	99
15) Methyl Acetate	2.954	43	167173	47.903	ug/L	96
16) Methylene chloride	3.050	84	142035	51.185	ug/L	92
17) trans-1,2-Dichloroethene	3.356	96	117192	50.791	ug/L	95
18) Methyl tert-butyl Ether	3.372	73	437341	57.483	ug/L	97
19) 1,1-Dichloroethane	3.877	63	241214	50.251	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	137550	54.100	ug/L	93
22) 2-Butanone	4.706	43	274574	86.699	ug/L	97
23) Bromochloromethane	4.980	128	65559	50.864	ug/L	95
25) Chloroform	5.092	83	241305	50.567	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	198317	49.687	ug/L	98
29) Cyclohexane	5.391	56	214734	51.955	ug/L	98
30) 1,1,1-Trichloroethane	5.320	97	196276	51.566	ug/L	97
31) Carbon tetrachloride	5.529	117	149695	49.794	ug/L	99
33) Benzene	5.780	78	531382	52.105	ug/L	100
34) Trichloroethene	6.545	95	129456	52.849	ug/L	99
35) Methylcyclohexane	6.767	83	209561	51.100	ug/L	97
37) 1,2-Dichloropropane	6.796	63	141580	50.989	ug/L	99
38) Bromodichloromethane	7.111	83	176235	51.778	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	217445	54.730	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	472082	101.776	ug/L	96
42) Toluene	7.973	91	565824	54.605	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	208551	55.204	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	134041	53.267	ug/L	99
46) Tetrachloroethene	8.558	164	90685	51.795	ug/L	97
48) 2-Hexanone	8.687	43	390099	94.840	ug/L	97
49) Dibromochloromethane	8.815	129	127515	51.238	ug/L	100
50) 1,2-Dibromoethane	8.928	107	142324	54.020	ug/L	98
51) Chlorobenzene	9.449	112	345367	53.988	ug/L	100
52) Ethylbenzene	9.574	91	617492	56.410	ug/L	100
53) m,p-Xylene	9.696	106	237182	57.197	ug/L	98
54) o-xylene	10.105	106	234936	57.655	ug/L	99
55) Styrene	10.118	104	404787	57.764	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.786	83	239136	49.632	ug/L	99
59) Bromoform	10.295	173	88489	51.414	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	195816	51.017	ug/L	99
61) Isopropylbenzene	10.487	105	611235	60.184	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	524811	61.876	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	540719	62.256	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	262970	56.029	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	261916	54.390	ug/L	98
67) 1,2-Dichlorobenzene	12.217	146	264020	54.796	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	58076	52.651	ug/L	95
69) 1,3,5-Trichlorobenzene	13.224	180	185946	57.087	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	168792	62.361	ug/L	99
71) Naphthalene	14.089	128	659301	70.291	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	169836	61.327	ug/L	99

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

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