

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011022\
 Data File : VU046710.D
 Acq On : 10 Jan 2022 11:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050158

Quant Time: Jan 10 14:49:07 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	6.253	114	187055	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	178653	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	100106	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	56184	34.420	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.840%
7) Chloroethane-d5	1.919	69	45625	37.626	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.260%
11) 1,1-Dichloroethene-d2	2.575	63	107967	38.890	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.780%
21) 2-Butanone-d5	4.649	46	109086	91.312	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.310%
24) Chloroform-d	5.067	84	120139	41.751	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.500%
26) 1,2-Dichloroethane-d4	5.706	65	77230	42.319	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.640%
32) Benzene-d6	5.732	84	230444	41.333	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.660%
36) 1,2-Dichloropropane-d6	6.693	67	71744	42.174	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.340%
41) Toluene-d8	7.899	98	209550	42.043	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.080%
43) trans-1,3-Dichloroprop...	8.182	79	36493	44.528	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.060%
47) 2-Hexanone-d5	8.639	63	90434	100.067	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.070%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	121882	46.261	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.520%
66) 1,2-Dichlorobenzene-d4	12.195	152	90291	43.589	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	81982	47.575	ug/L	99
3) Chloromethane	1.523	50	72201	47.082	ug/L	98
5) Vinyl chloride	1.607	62	76823	48.333	ug/L	99
6) Bromomethane	1.864	94	49672	49.331	ug/L	98
8) Chloroethane	1.941	64	46809	48.656	ug/L	96
9) Trichlorofluoromethane	2.144	101	115835	49.513	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	66159	50.283	ug/L	98
12) 1,1-Dichloroethene	2.584	96	60397	48.749	ug/L	96
13) Acetone	2.668	43	111474	98.047	ug/L	98
14) Carbon disulfide	2.800	76	164879	44.770	ug/L	98
15) Methyl Acetate	2.960	43	73752	50.788	ug/L	98
16) Methylene chloride	3.051	84	70931	46.477	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	64876	50.086	ug/L	99
18) Methyl tert-butyl Ether	3.366	73	207506	53.919	ug/L	100
19) 1,1-Dichloroethane	3.877	63	117018	49.534	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	72813	52.451	ug/L	99
22) 2-Butanone	4.726	43	129388	99.826	ug/L	99
23) Bromochloromethane	4.980	128	37401	50.402	ug/L	97
25) Chloroform	5.092	83	130205	50.461	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	98729	49.801	ug/L	99
29) Cyclohexane	5.394	56	96562	50.846	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	115754	52.967	ug/L	98
31) Carbon tetrachloride	5.530	117	99368	52.491	ug/L	99
33) Benzene	5.777	78	275578	51.859	ug/L	100
34) Trichloroethene	6.546	95	71497	51.296	ug/L	98
35) Methylcyclohexane	6.767	83	112936	52.177	ug/L	100
37) 1,2-Dichloropropane	6.793	63	69878	51.390	ug/L	100
38) Bromodichloromethane	7.108	83	97613	52.200	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	112883	53.950	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	197862	106.441	ug/L	99
42) Toluene	7.973	91	297277	53.044	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	111545	54.950	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	72368	52.088	ug/L	98
46) Tetrachloroethene	8.555	164	56084	53.034	ug/L	97
48) 2-Hexanone	8.690	43	168441	106.907	ug/L	99
49) Dibromochloromethane	8.812	129	82148	53.836	ug/L	99
50) 1,2-Dibromoethane	8.928	107	79733	55.057	ug/L	100
51) Chlorobenzene	9.449	112	193860	53.218	ug/L	99
52) Ethylbenzene	9.571	91	325321	54.716	ug/L	100
53) m,p-Xylene	9.697	106	130818	56.970	ug/L	95
54) o-xylene	10.102	106	124273	56.596	ug/L	100
55) Styrene	10.118	104	223832	58.250	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	128164	52.745	ug/L	99
59) Bromoform	10.291	173	63396	52.115	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	104083	49.410	ug/L	100
61) Isopropylbenzene	10.488	105	331643	54.235	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	287776	55.984	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	291084	56.833	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	163953	53.492	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	166995	52.290	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	162438	52.730	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.999	75	31226	49.518	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	127530	54.326	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	113997	56.808	ug/L	99
71) Naphthalene	14.089	128	385457	59.060	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	116216	57.313	ug/L	99

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

