

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051322\
 Data File : VU048554.D
 Acq On : 13 May 2022 10:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050126

Quant Time: May 14 04:11:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 13 03:54:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	257193	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	257498	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	156636	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	75594	34.128	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.260%
7) Chloroethane-d5	1.912	69	60390	41.775	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.560%
11) 1,1-Dichloroethene-d2	2.571	63	174750	44.329	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.660%
21) 2-Butanone-d5	4.620	46	167897	89.005	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.010%
24) Chloroform-d	5.067	84	208778	54.266	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.540%
26) 1,2-Dichloroethane-d4	5.703	65	143214	57.265	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.540%
32) Benzene-d6	5.729	84	366142	46.792	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.580%
36) 1,2-Dichloropropane-d6	6.694	67	112565	44.114	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.220%
41) Toluene-d8	7.899	98	347091	50.155	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.300%
43) trans-1,3-Dichloroprop...	8.179	79	64621	55.023	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.040%
47) 2-Hexanone-d5	8.632	63	121552	98.421	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.420%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	187633	48.275	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.540%
66) 1,2-Dichlorobenzene-d4	12.195	152	153039	49.341	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	118106	50.764	ug/L	99
3) Chloromethane	1.523	50	91146	34.250	ug/L	98
5) Vinyl chloride	1.607	62	97132	38.421	ug/L	99
6) Bromomethane	1.851	94	68036	54.419	ug/L	97
8) Chloroethane	1.932	64	60644	44.617	ug/L	100
9) Trichlorofluoromethane	2.141	101	188269	56.680	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	101114	53.047	ug/L	97
12) 1,1-Dichloroethene	2.581	96	87189	48.380	ug/L	98
13) Acetone	2.623	43	154528	108.657	ug/L	95
14) Carbon disulfide	2.797	76	243993	43.680	ug/L	100
15) Methyl Acetate	2.948	43	116832	40.101	ug/L	92
16) Methylene chloride	3.047	84	104364	47.355	ug/L	88
17) trans-1,2-Dichloroethene	3.356	96	95212	49.520	ug/L	97
18) Methyl tert-butyl Ether	3.362	73	326444	50.416	ug/L	97
19) 1,1-Dichloroethane	3.874	63	188215	47.474	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	107544	49.567	ug/L	94
22) 2-Butanone	4.700	43	184552	86.810	ug/L	95
23) Bromochloromethane	4.973	128	58723	51.357	ug/L	85
25) Chloroform	5.089	83	209416	53.492	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	180018	55.928	ug/L	100
29) Cyclohexane	5.391	56	143325	40.336	ug/L	88
30) 1,1,1-Trichloroethane	5.317	97	201359	56.308	ug/L	97
31) Carbon tetrachloride	5.530	117	184446	60.236	ug/L	100
33) Benzene	5.777	78	409069	46.139	ug/L	100
34) Trichloroethene	6.542	95	109899	50.427	ug/L	97
35) Methylcyclohexane	6.764	83	163097	46.905	ug/L	95
37) 1,2-Dichloropropane	6.793	63	104474	42.220	ug/L	98
38) Bromodichloromethane	7.108	83	160810	53.372	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	171017	48.589	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	317242	80.014	ug/L #	94
42) Toluene	7.970	91	455079	49.733	ug/L	96
44) trans-1,3-Dichloropropene	8.211	75	180008	52.628	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	110587	49.418	ug/L	97
46) Tetrachloroethene	8.555	164	90497	55.275	ug/L	97
48) 2-Hexanone	8.684	43	260769	79.141	ug/L #	96
49) Dibromochloromethane	8.812	129	137929	57.394	ug/L	100
50) 1,2-Dibromoethane	8.925	107	123134	52.054	ug/L	98
51) Chlorobenzene	9.449	112	297507	51.601	ug/L	97
52) Ethylbenzene	9.571	91	496254	52.062	ug/L	99
53) m,p-Xylene	9.693	106	200358	54.455	ug/L	100
54) o-Xylene	10.102	106	193562	52.291	ug/L	98
55) Styrene	10.115	104	344120	57.177	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	188383	44.916	ug/L #	99
59) Bromoform	10.291	173	109828	49.440	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	163794	40.060	ug/L	95
61) Isopropylbenzene	10.484	105	513926	46.823	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	292865	48.403	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	461885	51.259	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	255832	49.421	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	259790	50.056	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	256963	48.507	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.995	75	58442	48.767	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	197354	53.920	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	172908	54.398	ug/L	99
71) Naphthalene	14.089	128	525936	42.967	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	173428	51.301	ug/L	99

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

