

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060923\
 Data File : VV031484.D
 Acq On : 09 Jun 2023 09:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050365

Quant Time: Jun 10 01:35:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 09 06:27:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	215277	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	226284	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	139623	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	73818	38.973	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.940%
7) Chloroethane-d5	1.529	69	72349	47.180	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.360%
11) 1,1-Dichloroethene-d2	2.059	65	40460	45.072	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.140%
21) 2-Butanone-d5	3.793	46	152658	111.524	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.520%
24) Chloroform-d	4.252	84	196468	54.531	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.060%
26) 1,2-Dichloroethane-d4	4.947	65	128426	53.135	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.260%
32) Benzene-d6	4.963	84	335620	50.236	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.480%
36) 1,2-Dichloropropane-d6	5.992	67	120056	51.699	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.400%
41) Toluene-d8	7.246	98	319988	52.140	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.280%
43) trans-1,3-Dichloroprop...	7.558	79	51655	44.159	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.320%
47) 2-Hexanone-d5	8.030	63	93133	106.483	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.480%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	151511	51.699	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	11.567	152	133257	51.449	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	47455	54.969	ug/L	99
3) Chloromethane	1.217	50	36206	51.680	ug/L	95
5) Vinyl chloride	1.281	62	43667	52.243	ug/L	100
6) Bromomethane	1.484	94	26068	51.890	ug/L	100
8) Chloroethane	1.548	64	35728	53.053	ug/L	97
9) Trichlorofluoromethane	1.712	101	114709	56.856	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	72623	55.662	ug/L	97
12) 1,1-Dichloroethene	2.069	96	47182	54.938	ug/L	100
13) Acetone	2.114	43	105032	85.772	ug/L	100
14) Carbon disulfide	2.243	76	34469	46.921	ug/L	96
15) Methyl Acetate	2.375	43	109318	59.118	ug/L	97
16) Methylene chloride	2.449	84	74106	57.163	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	44186	54.265	ug/L	95
18) Methyl tert-butyl Ether	2.709	73	271546	54.255	ug/L	99
19) 1,1-Dichloroethane	3.114	63	160111	56.846	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	73509	55.528	ug/L	98
22) 2-Butanone	3.873	43	155862	103.560	ug/L	97
23) Bromochloromethane	4.153	128	40859	58.692	ug/L	95
25) Chloroform	4.281	83	185187	58.961	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.046	62	139531	60.840	ug/L	100
29) Cyclohexane	4.590	56	57937	47.806	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	145998	54.660	ug/L	99
31) Carbon tetrachloride	4.741	117	119750	53.969	ug/L	98
33) Benzene	5.014	78	275811	55.240	ug/L	100
34) Trichloroethene	5.837	95	91300	58.041	ug/L	99
35) Methylcyclohexane	6.053	83	63894	47.492	ug/L	98
37) 1,2-Dichloropropane	6.098	63	98538	54.830	ug/L	99
38) Bromodichloromethane	6.435	83	144759	55.034	ug/L	96
39) cis-1,3-Dichloropropene	6.960	75	132832	49.472	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	339332	116.233	ug/L	99
42) Toluene	7.320	91	319940	57.248	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	142841	52.450	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	106997	57.599	ug/L	98
46) Tetrachloroethene	7.911	164	54380	53.251	ug/L	97
48) 2-Hexanone	8.082	43	274616	120.174	ug/L	98
49) Dibromochloromethane	8.181	129	115636	57.066	ug/L	98
50) 1,2-Dibromoethane	8.287	107	100088	55.967	ug/L	95
51) Chlorobenzene	8.818	112	229046	53.901	ug/L	98
52) Ethylbenzene	8.953	91	377475	54.272	ug/L	99
53) m,p-Xylene	9.078	106	137079	54.691	ug/L	96
54) o-Xylene	9.484	106	140359	55.512	ug/L	97
55) Styrene	9.500	104	280045	60.751	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	147509	51.802	ug/L	99
59) Bromoform	9.670	173	91890	51.363	ug/L	100
60) Isopropylbenzene	9.873	105	415445	52.071	ug/L	100
61) 1,2,3-Trichloropropane	10.213	75	151731	53.682	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	343091	52.070	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	354044	53.680	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	220534	54.002	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	229931	53.231	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	229433	54.805	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	40529	54.098	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	166261	52.881	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	140559	52.403	ug/L	98
71) Naphthalene	13.445	128	354128	48.170	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	149352	55.551	ug/L	98

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

