

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090823\
 Data File : VV031986.D
 Acq On : 08 Sep 2023 17:24
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050291

Quant Time: Sep 09 05:36:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 09 05:33:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	265417	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	257129	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	135907	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	79338	47.763	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.520%
7) Chloroethane-d5	1.529	69	64590	44.357	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.720%
11) 1,1-Dichloroethene-d2	2.056	65	32291	41.516	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.040%
21) 2-Butanone-d5	3.789	46	138022	105.648	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.650%
24) Chloroform-d	4.252	84	154372	42.519	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.040%
26) 1,2-Dichloroethane-d4	4.947	65	99320	41.221	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.440%
32) Benzene-d6	4.963	84	309011	44.042	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.080%
36) 1,2-Dichloropropane-d6	5.992	67	100885	44.673	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.340%
41) Toluene-d8	7.246	98	278742	43.117	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.240%
43) trans-1,3-Dichloroprop...	7.555	79	51077	43.637	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.280%
47) 2-Hexanone-d5	8.027	63	95695	138.255	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	138.250%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	139521	47.810	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.620%
66) 1,2-Dichlorobenzene-d4	11.564	152	106865	43.134	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	70873	43.863	ug/L	98
3) Chloromethane	1.217	50	83401	50.619	ug/L	99
5) Vinyl chloride	1.282	62	87613	49.792	ug/L	97
6) Bromomethane	1.481	94	48788	47.091	ug/L	98
8) Chloroethane	1.545	64	59217	50.639	ug/L	96
9) Trichlorofluoromethane	1.712	101	120164	46.848	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	74691	48.228	ug/L	98
12) 1,1-Dichloroethene	2.069	96	66049	47.481	ug/L	88
13) Acetone	2.114	43	116862	100.501	ug/L	99
14) Carbon disulfide	2.240	76	151174	47.694	ug/L	100
15) Methyl Acetate	2.375	43	125088	60.318	ug/L	97
16) Methylene chloride	2.445	84	91369	51.113	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	74267	48.698	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	326552	50.665	ug/L	98
19) 1,1-Dichloroethane	3.114	63	180027	52.674	ug/L	100
20) cis-1,2-Dichloroethene	3.818	96	94787	49.540	ug/L	99
22) 2-Butanone	3.870	43	180643	117.404	ug/L	96
23) Bromochloromethane	4.153	128	46849	50.469	ug/L	98
25) Chloroform	4.278	83	174340	49.061	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	137754	49.206	ug/L	98
29) Cyclohexane	4.587	56	135756	50.708	ug/L	97
30) 1,1,1-Trichloroethane	4.516	97	145865	48.634	ug/L	99
31) Carbon tetrachloride	4.738	117	120582	47.348	ug/L	98
33) Benzene	5.015	78	359053	51.970	ug/L	100
34) Trichloroethene	5.838	95	94404	44.679	ug/L	99
35) Methylcyclohexane	6.053	83	137677	48.988	ug/L	98
37) 1,2-Dichloropropane	6.098	63	107681	54.987	ug/L	99
38) Bromodichloromethane	6.436	83	138965	49.994	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	172376	50.629	ug/L	97
40) 4-Methyl-2-pentanone	7.162	43	370134	119.084	ug/L	97
42) Toluene	7.320	91	383234	50.426	ug/L	100
44) trans-1,3-Dichloropropene	7.584	75	159329	48.706	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	102234	51.674	ug/L	97
46) Tetrachloroethene	7.908	164	62824	47.353	ug/L	98
48) 2-Hexanone	8.079	43	280119	118.013	ug/L	97
49) Dibromochloromethane	8.182	129	100468	49.418	ug/L	99
50) 1,2-Dibromoethane	8.288	107	103272	49.837	ug/L	98
51) Chlorobenzene	8.818	112	254743	50.445	ug/L	100
52) Ethylbenzene	8.950	91	441990	49.097	ug/L	100
53) m,p-Xylene	9.079	106	164014	49.068	ug/L	96
54) o-Xylene	9.484	106	165605	49.814	ug/L	98
55) Styrene	9.500	104	290976	49.511	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.182	83	168907	60.309	ug/L	99
59) Bromoform	9.670	173	70470	50.002	ug/L	99
60) Isopropylbenzene	9.873	105	457641	50.275	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	138981	54.127	ug/L	99
62) 1,3,5-Trimethylbenzene	10.481	105	372272	48.611	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	376475	48.868	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	198307	48.610	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	203202	48.985	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	202355	50.057	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	40058	51.938	ug/L	98
69) 1,3,5-Trichlorobenzene	12.587	180	138353	46.521	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	135107	47.328	ug/L	99
71) Naphthalene	13.442	128	471204	51.664	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	135010	49.356	ug/L	99

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

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