

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081623\
 Data File : VW031817.D
 Acq On : 16 Aug 2023 12:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050399

Quant Time: Aug 17 01:50:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 16 02:07:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	407099	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	425366	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	257084	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	158312	38.146	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.300%
7) Chloroethane-d5	1.529	69	151279	39.776	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.560%
11) 1,1-Dichloroethene-d2	2.060	65	66201	34.461	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.920%
21) 2-Butanone-d5	3.793	46	268996	93.671	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.670%
24) Chloroform-d	4.252	84	373977	43.830	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.660%
26) 1,2-Dichloroethane-d4	4.947	65	235774	44.411	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.820%
32) Benzene-d6	4.966	84	685408	50.885	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.780%
36) 1,2-Dichloropropane-d6	5.995	67	234152	46.278	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.560%
41) Toluene-d8	7.249	98	642266	56.887	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.780%
43) trans-1,3-Dichloroprop...	7.558	79	107331	49.352	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.700%
47) 2-Hexanone-d5	8.030	63	193905	102.197	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.200%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	312173	44.779	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.560%
66) 1,2-Dichlorobenzene-d4	11.564	152	251498	48.317	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	209258	41.592	ug/L	100
3) Chloromethane	1.217	50	212815	44.474	ug/L	97
5) Vinyl chloride	1.281	62	223908	46.193	ug/L	99
6) Bromomethane	1.484	94	148462	44.437	ug/L	100
8) Chloroethane	1.548	64	145703	45.038	ug/L	98
9) Trichlorofluoromethane	1.712	101	353009	43.201	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	190709	40.403	ug/L	99
12) 1,1-Dichloroethene	2.072	96	152409	38.850	ug/L	89
13) Acetone	2.111	43	190666	69.365	ug/L	98
14) Carbon disulfide	2.240	76	340823	35.342	ug/L	100
15) Methyl Acetate	2.375	43	237136	49.541	ug/L	98
16) Methylene chloride	2.449	84	207559	47.093	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	169030	48.435	ug/L	94
18) Methyl tert-butyl Ether	2.709	73	614530	53.528	ug/L	99
19) 1,1-Dichloroethane	3.114	63	380478	47.098	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	196426	49.840	ug/L	95
22) 2-Butanone	3.873	43	326099	104.304	ug/L	96
23) Bromochloromethane	4.153	128	106359	48.740	ug/L	93
25) Chloroform	4.281	83	404532	47.274	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	302356	47.509	ug/L	98
29) Cyclohexane	4.587	56	277874	53.054	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	347816	47.601	ug/L	98
31) Carbon tetrachloride	4.741	117	303424	47.559	ug/L	99
33) Benzene	5.014	78	767686	51.311	ug/L	100
34) Trichloroethene	5.838	95	231781	49.093	ug/L	99
35) Methylcyclohexane	6.056	83	286106	54.481	ug/L	98
37) 1,2-Dichloropropane	6.098	63	222265	50.009	ug/L	99
38) Bromodichloromethane	6.436	83	308404	48.645	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	312040	49.455	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	623751	110.192	ug/L	99
42) Toluene	7.320	91	837900	54.530	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	337422	53.588	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	222413	49.594	ug/L	97
46) Tetrachloroethene	7.911	164	160221	53.709	ug/L	96
48) 2-Hexanone	8.079	43	506368	112.150	ug/L	97
49) Dibromochloromethane	8.181	129	241191	50.965	ug/L	98
50) 1,2-Dibromoethane	8.288	107	234945	49.728	ug/L	96
51) Chlorobenzene	8.818	112	528270	51.453	ug/L	99
52) Ethylbenzene	8.950	91	903131	54.237	ug/L	97
53) m,p-Xylene	9.079	106	336109	55.972	ug/L	95
54) o-Xylene	9.484	106	320652	55.715	ug/L	97
55) Styrene	9.500	104	602277	57.287	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	313336	50.386	ug/L	99
59) Bromoform	9.670	173	178009	50.501	ug/L #	96
60) Isopropylbenzene	9.873	105	892906	55.652	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	295394	48.986	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	729879	56.223	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	741037	56.388	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	446533	53.241	ug/L	96
65) 1,4-Dichlorobenzene	11.214	146	470022	52.718	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	453282	52.490	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	81623	48.666	ug/L	99
69) 1,3,5-Trichlorobenzene	12.586	180	332067	54.286	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	294746	53.859	ug/L	99
71) Naphthalene	13.445	128	930126	58.962	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	318909	55.748	ug/L	99

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

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