

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072823\
 Data File : VW031781.D
 Acq On : 28 Jul 2023 14:39
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050395

Quant Time: Jul 28 22:40:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 28 22:38:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	340121	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	366282	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	224300	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	145261	41.894	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.780%
7) Chloroethane-d5	1.529	69	141934	44.668	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.340%
11) 1,1-Dichloroethene-d2	2.056	65	57071	35.559	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.120%
21) 2-Butanone-d5	3.786	46	259491	108.155	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.160%
24) Chloroform-d	4.252	84	355813	49.913	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.820%
26) 1,2-Dichloroethane-d4	4.944	65	217110	48.949	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.900%
32) Benzene-d6	4.963	84	563282	48.564	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.120%
36) 1,2-Dichloropropane-d6	5.992	67	201510	46.251	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.500%
41) Toluene-d8	7.246	98	498118	51.237	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.480%
43) trans-1,3-Dichloroprop...	7.554	79	90790	48.481	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.960%
47) 2-Hexanone-d5	8.030	63	185303	113.417	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.420%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	320152	53.332	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.660%
66) 1,2-Dichlorobenzene-d4	11.567	152	217842	47.968	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	181231	43.115	ug/L	99
3) Chloromethane	1.220	50	196812	49.229	ug/L	98
5) Vinyl chloride	1.281	62	210961	52.093	ug/L	99
6) Bromomethane	1.481	94	144469	51.758	ug/L	100
8) Chloroethane	1.545	64	131153	48.523	ug/L	100
9) Trichlorofluoromethane	1.712	101	350234	51.302	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	185281	46.982	ug/L	98
12) 1,1-Dichloroethene	2.069	96	153445	46.816	ug/L	89
13) Acetone	2.114	43	170407	74.203	ug/L	98
14) Carbon disulfide	2.240	76	404482	50.203	ug/L	100
15) Methyl Acetate	2.375	43	217969	54.504	ug/L	97
16) Methylene chloride	2.445	84	189640	51.500	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	150389	51.580	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	509959	53.166	ug/L	99
19) 1,1-Dichloroethane	3.111	63	345300	51.161	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	173915	52.819	ug/L	99
22) 2-Butanone	3.870	43	263031	100.699	ug/L	99
23) Bromochloromethane	4.149	128	97147	53.285	ug/L	97
25) Chloroform	4.278	83	369366	51.665	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	274675	51.658	ug/L	99
29) Cyclohexane	4.587	56	221601	49.135	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	320041	50.865	ug/L	98
31) Carbon tetrachloride	4.735	117	276398	50.312	ug/L	100
33) Benzene	5.011	78	686392	53.277	ug/L	100
34) Trichloroethene	5.834	95	193419	47.576	ug/L	97
35) Methylcyclohexane	6.053	83	241717	53.453	ug/L	97
37) 1,2-Dichloropropane	6.095	63	199290	52.073	ug/L	100
38) Bromodichloromethane	6.436	83	274078	50.204	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	269664	49.633	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	561182	115.131	ug/L	97
42) Toluene	7.320	91	737321	55.725	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	284273	52.430	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	199078	51.551	ug/L	98
46) Tetrachloroethene	7.908	164	133558	51.993	ug/L	96
48) 2-Hexanone	8.079	43	451333	116.085	ug/L	96
49) Dibromochloromethane	8.181	129	215440	52.867	ug/L	96
50) 1,2-Dibromoethane	8.284	107	211933	52.093	ug/L	99
51) Chlorobenzene	8.818	112	459029	51.921	ug/L	99
52) Ethylbenzene	8.950	91	768411	53.590	ug/L	100
53) m,p-Xylene	9.079	106	288001	55.697	ug/L	97
54) o-Xylene	9.484	106	264873	53.447	ug/L	98
55) Styrene	9.500	104	529783	58.521	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	306815	57.296	ug/L #	95
59) Bromoform	9.670	173	161886	52.639	ug/L	98
60) Isopropylbenzene	9.873	105	759304	54.242	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	267766	50.895	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	593278	52.380	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	622399	54.282	ug/L	98
64) 1,3-Dichlorobenzene	11.123	146	386926	52.877	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	406017	52.195	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	392348	52.075	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	74312	50.783	ug/L	91
69) 1,3,5-Trichlorobenzene	12.586	180	271872	50.941	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	237579	49.758	ug/L	99
71) Naphthalene	13.445	128	707778	51.425	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	263952	52.885	ug/L	99

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

