

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072523\
 Data File : VW031753.D
 Acq On : 25 Jul 2023 19:59
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050391

Quant Time: Jul 26 02:58:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 26 02:25:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	335467	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	356642	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	219058	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	172442	50.424	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.840%
7) Chloroethane-d5	1.532	69	162808	51.948	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.900%
11) 1,1-Dichloroethene-d2	2.060	65	75841	47.910	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.820%
21) 2-Butanone-d5	3.790	46	263607	111.395	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.390%
24) Chloroform-d	4.256	84	360822	51.318	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.640%
26) 1,2-Dichloroethane-d4	4.947	65	223447	51.076	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.160%
32) Benzene-d6	4.966	84	588142	52.078	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.160%
36) 1,2-Dichloropropane-d6	5.995	67	218481	51.502	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.000%
41) Toluene-d8	7.249	98	524390	55.397	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.800%
43) trans-1,3-Dichloroprop...	7.555	79	93653	51.361	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.720%
47) 2-Hexanone-d5	8.031	63	182273	114.578	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.580%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	323086	55.275	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.560%
66) 1,2-Dichlorobenzene-d4	11.567	152	220149	49.636	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	211251	50.954	ug/L	99
3) Chloromethane	1.217	50	217676	55.203	ug/L	100
5) Vinyl chloride	1.285	62	218641	54.738	ug/L	98
6) Bromomethane	1.484	94	145743	52.938	ug/L	99
8) Chloroethane	1.548	64	142748	53.546	ug/L	99
9) Trichlorofluoromethane	1.716	101	344546	51.169	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	198269	50.973	ug/L	96
12) 1,1-Dichloroethene	2.073	96	166188	51.407	ug/L	91
13) Acetone	2.114	43	184900	81.631	ug/L	97
14) Carbon disulfide	2.243	76	389859	49.059	ug/L	99
15) Methyl Acetate	2.375	43	209596	53.138	ug/L	97
16) Methylene chloride	2.449	84	184526	50.807	ug/L	95
17) trans-1,2-Dichloroethene	2.696	96	149553	52.005	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	493318	52.145	ug/L	98
19) 1,1-Dichloroethane	3.114	63	341782	51.342	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	164461	50.640	ug/L	94
22) 2-Butanone	3.870	43	267436	103.805	ug/L	96
23) Bromochloromethane	4.153	128	92696	51.549	ug/L	90
25) Chloroform	4.282	83	363480	51.547	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	276399	52.704	ug/L	100
29) Cyclohexane	4.590	56	220527	50.218	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	306407	50.015	ug/L	97
31) Carbon tetrachloride	4.741	117	264043	49.362	ug/L	98
33) Benzene	5.015	78	689655	54.978	ug/L	100
34) Trichloroethene	5.838	95	190112	48.027	ug/L	97
35) Methylcyclohexane	6.056	83	217001	49.284	ug/L	96
37) 1,2-Dichloropropane	6.098	63	201258	54.009	ug/L	100
38) Bromodichloromethane	6.436	83	270891	50.961	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	277449	52.446	ug/L	97
40) 4-Methyl-2-pentanone	7.162	43	564211	118.881	ug/L	97
42) Toluene	7.320	91	729435	56.619	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	275328	52.152	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	203153	54.028	ug/L	98
46) Tetrachloroethene	7.912	164	130636	52.230	ug/L	98
48) 2-Hexanone	8.079	43	454853	120.152	ug/L	96
49) Dibromochloromethane	8.182	129	209993	52.923	ug/L	99
50) 1,2-Dibromoethane	8.288	107	213044	53.781	ug/L	98
51) Chlorobenzene	8.818	112	444871	51.680	ug/L	99
52) Ethylbenzene	8.950	91	754828	54.065	ug/L	98
53) m,p-Xylene	9.079	106	282843	56.178	ug/L	94
54) o-Xylene	9.484	106	262755	54.452	ug/L	98
55) Styrene	9.500	104	532438	60.404	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.182	83	296128	56.795	ug/L #	97
59) Bromoform	9.670	173	154949	51.589	ug/L	97
60) Isopropylbenzene	9.873	105	733519	53.654	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	267049	51.973	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	585492	52.930	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	599955	53.577	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	372960	52.188	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	396313	52.167	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	381549	51.853	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	73491	51.424	ug/L	97
69) 1,3,5-Trichlorobenzene	12.587	180	250180	47.999	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	216895	46.513	ug/L	100
71) Naphthalene	13.445	128	679218	50.531	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	251043	51.502	ug/L	99

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

