

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100223\
 Data File : VW032205.D
 Acq On : 02 Oct 2023 17:46
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050308

Quant Time: Oct 03 02:01:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 03 01:57:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	223949	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	219189	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	118742	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	50678	36.567	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.140%
7) Chloroethane-d5	1.529	69	47067	39.374	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.740%
11) 1,1-Dichloroethene-d2	2.060	65	22507	37.191	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.380%
21) 2-Butanone-d5	3.786	46	115388	92.594	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.590%
24) Chloroform-d	4.252	84	121981	42.060	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.120%
26) 1,2-Dichloroethane-d4	4.947	65	73731	42.253	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.500%
32) Benzene-d6	4.963	84	226407	39.293	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.580%
36) 1,2-Dichloropropane-d6	5.992	67	78830	40.997	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.000%
41) Toluene-d8	7.246	98	203496	38.712	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.420%#
43) trans-1,3-Dichloroprop...	7.555	79	35994	39.349	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.700%
47) 2-Hexanone-d5	8.027	63	73934	89.039	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.040%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	119361	43.645	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.300%
66) 1,2-Dichlorobenzene-d4	11.564	152	89031	41.345	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	83813	44.197	ug/L	98
3) Chloromethane	1.217	50	93811	45.619	ug/L	96
5) Vinyl chloride	1.281	62	92187	45.512	ug/L	100
6) Bromomethane	1.481	94	56243	48.937	ug/L	98
8) Chloroethane	1.545	64	58122	46.096	ug/L	100
9) Trichlorofluoromethane	1.712	101	122231	47.016	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	72968	46.546	ug/L	99
12) 1,1-Dichloroethene	2.069	96	67038	46.218	ug/L	95
13) Acetone	2.111	43	91838	78.777	ug/L	99
14) Carbon disulfide	2.240	76	206174	44.415	ug/L	99
15) Methyl Acetate	2.371	43	97857	47.050	ug/L	99
16) Methylene chloride	2.445	84	85024	46.427	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	73263	44.807	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	246707	45.098	ug/L	99
19) 1,1-Dichloroethane	3.114	63	145482	45.377	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	85146	46.249	ug/L	99
22) 2-Butanone	3.867	43	131537	84.042	ug/L	100
23) Bromochloromethane	4.150	128	42145	45.705	ug/L	98
25) Chloroform	4.278	83	144112	46.048	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	107079	45.268	ug/L	99
29) Cyclohexane	4.587	56	129890	42.449	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	123452	45.168	ug/L	99
31) Carbon tetrachloride	4.738	117	105823	44.832	ug/L	99
33) Benzene	5.011	78	316541	45.273	ug/L	100
34) Trichloroethene	5.834	95	87852	45.639	ug/L	99
35) Methylcyclohexane	6.053	83	128934	41.894	ug/L	100
37) 1,2-Dichloropropane	6.095	63	83489	43.518	ug/L	100
38) Bromodichloromethane	6.436	83	108179	44.857	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	134047	44.059	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	261575	91.482	ug/L	100
42) Toluene	7.317	91	336006	45.012	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	121671	43.669	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	83168	45.447	ug/L	99
46) Tetrachloroethene	7.908	164	61091	43.674	ug/L	99
48) 2-Hexanone	8.079	43	199520	89.325	ug/L	100
49) Dibromochloromethane	8.178	129	82667	45.433	ug/L	99
50) 1,2-Dibromoethane	8.284	107	88851	45.596	ug/L	99
51) Chlorobenzene	8.818	112	213281	44.282	ug/L	99
52) Ethylbenzene	8.950	91	369676	44.335	ug/L	99
53) m,p-Xylene	9.075	106	137772	44.347	ug/L	100
54) o-Xylene	9.480	106	134536	43.959	ug/L	100
55) Styrene	9.500	104	237220	45.434	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	126964	44.525	ug/L	99
59) Bromoform	9.667	173	59897	45.395	ug/L	98
60) Isopropylbenzene	9.870	105	370059	44.777	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	103101	44.667	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	302773	44.591	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	296378	44.376	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	170484	44.124	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	173589	44.476	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	168272	44.277	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	27583	43.280	ug/L	99
69) 1,3,5-Trichlorobenzene	12.586	180	119531	42.725	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	109200	41.503	ug/L	98
71) Naphthalene	13.442	128	345527	39.866	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	112247	42.938	ug/L	98

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

