

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100223\
 Data File : VW032189.D
 Acq On : 02 Oct 2023 09:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050307

Quant Time: Oct 03 01:55:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 26 01:18:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	229652	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	222480	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	122741	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	60603	42.642	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.280%
7) Chloroethane-d5	1.529	69	53794	43.884	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.760%
11) 1,1-Dichloroethene-d2	2.060	65	26162	42.157	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.320%
21) 2-Butanone-d5	3.786	46	113305	88.665	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.660%
24) Chloroform-d	4.249	84	136654	45.949	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.900%
26) 1,2-Dichloroethane-d4	4.941	65	81374	45.475	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.960%
32) Benzene-d6	4.960	84	256469	43.851	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.700%
36) 1,2-Dichloropropane-d6	5.989	67	86115	44.123	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.240%
41) Toluene-d8	7.246	98	230870	43.270	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.540%
43) trans-1,3-Dichloroprop...	7.555	79	41482	44.678	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.360%
47) 2-Hexanone-d5	8.027	63	73760	87.516	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.520%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	124009	44.674	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.340%
66) 1,2-Dichlorobenzene-d4	11.564	152	98496	44.251	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	97469	50.121	ug/L	99
3) Chloromethane	1.214	50	103256	48.965	ug/L	99
5) Vinyl chloride	1.282	62	104019	50.078	ug/L	99
6) Bromomethane	1.484	94	61533	52.210	ug/L	98
8) Chloroethane	1.548	64	64107	49.580	ug/L	99
9) Trichlorofluoromethane	1.712	101	136165	51.075	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	83920	52.203	ug/L	99
12) 1,1-Dichloroethene	2.069	96	75310	50.631	ug/L	94
13) Acetone	2.111	43	136319	114.028	ug/L	99
14) Carbon disulfide	2.240	76	235730	49.521	ug/L	100
15) Methyl Acetate	2.372	43	100274	47.015	ug/L	99
16) Methylene chloride	2.446	84	91746	48.853	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	83311	49.687	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	275927	49.187	ug/L	100
19) 1,1-Dichloroethane	3.111	63	163846	49.836	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	91868	48.661	ug/L	97
22) 2-Butanone	3.867	43	153240	95.477	ug/L	99
23) Bromochloromethane	4.146	128	46828	49.523	ug/L	97
25) Chloroform	4.278	83	160640	50.054	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	119403	49.225	ug/L	99
29) Cyclohexane	4.584	56	152463	49.089	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	137362	49.513	ug/L	99
31) Carbon tetrachloride	4.735	117	119045	49.688	ug/L	100
33) Benzene	5.011	78	349499	49.247	ug/L	100
34) Trichloroethene	5.834	95	97319	49.809	ug/L	98
35) Methylcyclohexane	6.050	83	154755	49.540	ug/L	99
37) 1,2-Dichloropropane	6.095	63	96251	49.428	ug/L	99
38) Bromodichloromethane	6.433	83	123191	50.326	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	152927	49.521	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	271629	93.593	ug/L	100
42) Toluene	7.317	91	376503	49.691	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	140854	49.806	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	91664	49.348	ug/L	99
46) Tetrachloroethene	7.905	164	71119	50.091	ug/L	99
48) 2-Hexanone	8.076	43	218045	96.174	ug/L	99
49) Dibromochloromethane	8.178	129	92509	50.089	ug/L	99
50) 1,2-Dibromoethane	8.285	107	96282	48.679	ug/L	98
51) Chlorobenzene	8.815	112	240418	49.178	ug/L	99
52) Ethylbenzene	8.947	91	419028	49.510	ug/L	99
53) m,p-Xylene	9.075	106	155735	49.388	ug/L	98
54) o-Xylene	9.481	106	153207	49.320	ug/L	100
55) Styrene	9.497	104	268829	50.726	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	133966	46.285	ug/L	100
59) Bromoform	9.667	173	66016	48.402	ug/L	99
60) Isopropylbenzene	9.870	105	421218	49.306	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	109317	45.817	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	342937	48.860	ug/L	100
63) 1,2,4-Trimethylbenzene	10.854	105	338353	49.010	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	193316	48.404	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	195699	48.508	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	190966	48.612	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	28656	43.498	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	141017	48.763	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	130609	48.023	ug/L	99
71) Naphthalene	13.442	128	365774	40.827	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	127949	47.349	ug/L	99

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

