

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091423\
 Data File : VW032088.D
 Acq On : 14 Sep 2023 13:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050296

Quant Time: Sep 15 07:58:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 14 06:19:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	276682	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	269685	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	147033	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	64853	37.453	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.900%
7) Chloroethane-d5	1.529	69	58149	38.308	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.620%
11) 1,1-Dichloroethene-d2	2.060	65	29652	36.571	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.140%
21) 2-Butanone-d5	3.790	46	140655	103.280	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.280%
24) Chloroform-d	4.253	84	162783	43.010	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.020%
26) 1,2-Dichloroethane-d4	4.944	65	100068	39.841	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.680%
32) Benzene-d6	4.963	84	306215	41.611	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.220%
36) 1,2-Dichloropropane-d6	5.992	67	101831	42.992	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.980%
41) Toluene-d8	7.246	98	279282	41.189	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.380%
43) trans-1,3-Dichloroprop...	7.555	79	51692	42.106	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.220%
47) 2-Hexanone-d5	8.027	63	94796	130.579	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	130.580%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	150479	49.164	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.320%
66) 1,2-Dichlorobenzene-d4	11.564	152	118837	44.337	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	72187	42.857	ug/L	98
3) Chloromethane	1.217	50	77319	45.017	ug/L	100
5) Vinyl chloride	1.282	62	80797	44.049	ug/L	98
6) Bromomethane	1.484	94	49786	46.098	ug/L	98
8) Chloroethane	1.549	64	54285	44.532	ug/L	99
9) Trichlorofluoromethane	1.712	101	123437	46.165	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	79206	49.061	ug/L	99
12) 1,1-Dichloroethene	2.069	96	66017	45.526	ug/L	83
13) Acetone	2.111	43	130027	107.270	ug/L	97
14) Carbon disulfide	2.240	76	146387	44.304	ug/L	99
15) Methyl Acetate	2.372	43	113992	52.729	ug/L	99
16) Methylene chloride	2.446	84	99490	53.390	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	76039	47.830	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	324459	48.290	ug/L	98
19) 1,1-Dichloroethane	3.114	63	175410	49.234	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	100546	50.411	ug/L	96
22) 2-Butanone	3.867	43	170230	106.132	ug/L	99
23) Bromochloromethane	4.150	128	50395	52.079	ug/L	98
25) Chloroform	4.278	83	180420	48.705	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.044	62	134589	46.118	ug/L	97
29) Cyclohexane	4.584	56	131305	46.762	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	151018	48.008	ug/L	99
31) Carbon tetrachloride	4.738	117	124584	46.641	ug/L	100
33) Benzene	5.011	78	358175	49.429	ug/L	100
34) Trichloroethene	5.835	95	101537	45.817	ug/L	98
35) Methylcyclohexane	6.053	83	130130	44.147	ug/L	96
37) 1,2-Dichloropropane	6.095	63	102381	49.847	ug/L	100
38) Bromodichloromethane	6.436	83	142276	48.802	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	171023	47.893	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	338040	103.695	ug/L	100
42) Toluene	7.317	91	395529	49.621	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	159825	46.583	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	107011	51.571	ug/L	99
46) Tetrachloroethene	7.908	164	69659	50.060	ug/L	98
48) 2-Hexanone	8.079	43	263308	105.766	ug/L	99
49) Dibromochloromethane	8.178	129	107104	50.229	ug/L	98
50) 1,2-Dibromoethane	8.285	107	110006	50.615	ug/L	100
51) Chlorobenzene	8.815	112	267211	50.450	ug/L	99
52) Ethylbenzene	8.950	91	458836	48.595	ug/L	100
53) m,p-Xylene	9.076	106	172217	49.124	ug/L	97
54) o-Xylene	9.481	106	171391	49.155	ug/L	98
55) Styrene	9.500	104	307674	49.915	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.182	83	164838	56.116	ug/L	99
59) Bromoform	9.667	173	78138	51.248	ug/L	100
60) Isopropylbenzene	9.870	105	473386	48.069	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	134901	48.563	ug/L	98
62) 1,3,5-Trimethylbenzene	10.481	105	389634	47.028	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	397854	47.735	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	226339	51.283	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	228349	50.881	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	223801	51.173	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	37862	45.376	ug/L	89
69) 1,3,5-Trichlorobenzene	12.587	180	163236	50.734	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	160501	51.969	ug/L	99
71) Naphthalene	13.442	128	525346	53.241	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	157730	53.298	ug/L	99

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

