

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091423\
 Data File : VW032109.D
 Acq On : 14 Sep 2023 23:44
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050297

Quant Time: Sep 15 08:08:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 15 08:00:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	239080	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	234868	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	126028	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	55558	37.132	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.260%
7) Chloroethane-d5	1.529	69	51665	39.390	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.780%
11) 1,1-Dichloroethene-d2	2.060	65	25527	36.435	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.860%
21) 2-Butanone-d5	3.789	46	131572	111.805	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.810%
24) Chloroform-d	4.252	84	140773	43.045	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.080%
26) 1,2-Dichloroethane-d4	4.944	65	86278	39.753	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.500%
32) Benzene-d6	4.963	84	265939	41.496	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.000%
36) 1,2-Dichloropropane-d6	5.992	67	91908	44.555	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.100%
41) Toluene-d8	7.246	98	236156	39.992	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.980%#
43) trans-1,3-Dichloroprop...	7.555	79	42396	39.653	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.300%
47) 2-Hexanone-d5	8.027	63	87761	138.809	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	138.810%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	140440	52.686	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.380%
66) 1,2-Dichlorobenzene-d4	11.564	152	99951	43.506	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	60579	41.622	ug/L	98
3) Chloromethane	1.214	50	71300	48.041	ug/L	100
5) Vinyl chloride	1.281	62	73475	46.357	ug/L	99
6) Bromomethane	1.484	94	44758	47.961	ug/L	97
8) Chloroethane	1.548	64	49266	46.771	ug/L	100
9) Trichlorofluoromethane	1.712	101	107506	46.530	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	67350	48.279	ug/L	98
12) 1,1-Dichloroethene	2.069	96	58520	46.703	ug/L	83
13) Acetone	2.111	43	82731	78.986	ug/L	97
14) Carbon disulfide	2.240	76	127029	44.492	ug/L	99
15) Methyl Acetate	2.371	43	104600	55.995	ug/L	100
16) Methylene chloride	2.449	84	84593	52.536	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	66317	48.275	ug/L	93
18) Methyl tert-butyl Ether	2.706	73	283106	48.763	ug/L	98
19) 1,1-Dichloroethane	3.111	63	155387	50.473	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	88204	51.178	ug/L	95
22) 2-Butanone	3.870	43	140228	101.177	ug/L	98
23) Bromochloromethane	4.149	128	43649	52.202	ug/L	99
25) Chloroform	4.278	83	159122	49.712	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	120449	47.765	ug/L	96
29) Cyclohexane	4.584	56	112683	46.079	ug/L	97
30) 1,1,1-Trichloroethane	4.516	97	129908	47.419	ug/L	98
31) Carbon tetrachloride	4.738	117	105404	45.311	ug/L	97
33) Benzene	5.014	78	319800	50.676	ug/L	100
34) Trichloroethene	5.838	95	84336	43.697	ug/L	97
35) Methylcyclohexane	6.053	83	110859	43.184	ug/L	99
37) 1,2-Dichloropropane	6.095	63	92808	51.884	ug/L	100
38) Bromodichloromethane	6.436	83	124118	48.885	ug/L	98
39) cis-1,3-Dichloropropene	6.956	75	143555	46.160	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	308369	108.615	ug/L	99
42) Toluene	7.317	91	340377	49.032	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	134154	44.897	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	95530	52.862	ug/L	99
46) Tetrachloroethene	7.908	164	58051	47.902	ug/L	99
48) 2-Hexanone	8.079	43	225910	104.196	ug/L	99
49) Dibromochloromethane	8.178	129	93709	50.462	ug/L	98
50) 1,2-Dibromoethane	8.284	107	96120	50.782	ug/L	100
51) Chlorobenzene	8.818	112	231466	50.180	ug/L	98
52) Ethylbenzene	8.950	91	394845	48.017	ug/L	99
53) m,p-Xylene	9.075	106	143043	46.850	ug/L	99
54) o-Xylene	9.480	106	146159	48.132	ug/L	98
55) Styrene	9.500	104	262677	48.932	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	157688	61.640	ug/L	98
59) Bromoform	9.667	173	66969	51.243	ug/L	100
60) Isopropylbenzene	9.870	105	406282	48.131	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	122952	51.638	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	329376	46.381	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	330514	46.265	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	187102	49.458	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	190671	49.567	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	191883	51.187	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	32996	46.135	ug/L	88
69) 1,3,5-Trichlorobenzene	12.586	180	130429	47.294	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	127757	48.261	ug/L	99
71) Naphthalene	13.442	128	456470	53.971	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	131456	51.823	ug/L	98

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

