

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091223\
 Data File : VW032060.D
 Acq On : 12 Sep 2023 19:47
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050293

Quant Time: Sep 13 06:58:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 09 05:33:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	233357	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	232072	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	122510	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	70726	48.428	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.860%
7) Chloroethane-d5	1.529	69	57860	45.195	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.380%
11) 1,1-Dichloroethene-d2	2.056	65	29062	42.498	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.000%
21) 2-Butanone-d5	3.789	46	130389	113.517	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.520%
24) Chloroform-d	4.252	84	137428	43.052	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.100%
26) 1,2-Dichloroethane-d4	4.944	65	85784	40.495	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.980%
32) Benzene-d6	4.963	84	276987	43.740	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.480%
36) 1,2-Dichloropropane-d6	5.992	67	91869	45.073	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.140%
41) Toluene-d8	7.246	98	246779	42.294	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.580%
43) trans-1,3-Dichloroprop...	7.555	79	41640	39.415	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.840%
47) 2-Hexanone-d5	8.027	63	83017	132.888	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	132.890%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	128762	48.887	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.780%
66) 1,2-Dichlorobenzene-d4	11.564	152	95390	42.713	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	61433	43.244	ug/L	97
3) Chloromethane	1.217	50	76343	52.701	ug/L	100
5) Vinyl chloride	1.282	62	77178	49.888	ug/L	99
6) Bromomethane	1.481	94	41681	45.759	ug/L	99
8) Chloroethane	1.545	64	52474	51.038	ug/L	98
9) Trichlorofluoromethane	1.712	101	102800	45.585	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	64139	47.105	ug/L	98
12) 1,1-Dichloroethene	2.069	96	56279	46.016	ug/L	90
13) Acetone	2.111	43	96217	94.114	ug/L	98
14) Carbon disulfide	2.240	76	128074	45.958	ug/L	99
15) Methyl Acetate	2.375	43	112068	61.464	ug/L	99
16) Methylene chloride	2.445	84	83346	53.031	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	63679	47.492	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	273511	48.265	ug/L	98
19) 1,1-Dichloroethane	3.114	63	157488	52.410	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	82596	49.100	ug/L	97
22) 2-Butanone	3.870	43	152992	113.094	ug/L	96
23) Bromochloromethane	4.150	128	40735	49.912	ug/L	92
25) Chloroform	4.278	83	154694	49.514	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	115853	47.069	ug/L	99
29) Cyclohexane	4.584	56	115000	47.593	ug/L	96
30) 1,1,1-Trichloroethane	4.516	97	123819	45.741	ug/L	99
31) Carbon tetrachloride	4.738	117	100090	43.545	ug/L	98
33) Benzene	5.014	78	313331	50.249	ug/L	100
34) Trichloroethene	5.838	95	82011	43.004	ug/L	99
35) Methylcyclohexane	6.053	83	110245	43.463	ug/L	96
37) 1,2-Dichloropropane	6.098	63	93332	52.806	ug/L	99
38) Bromodichloromethane	6.436	83	118908	47.397	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	142342	46.322	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	330786	117.915	ug/L	97
42) Toluene	7.320	91	330507	48.184	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	131619	44.579	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	90228	50.530	ug/L	97
46) Tetrachloroethene	7.908	164	53026	44.283	ug/L	98
48) 2-Hexanone	8.079	43	244334	114.051	ug/L	97
49) Dibromochloromethane	8.182	129	84400	45.997	ug/L	98
50) 1,2-Dibromoethane	8.284	107	89279	47.736	ug/L	100
51) Chlorobenzene	8.818	112	220447	48.367	ug/L	98
52) Ethylbenzene	8.950	91	378271	46.556	ug/L	99
53) m,p-Xylene	9.075	106	138792	46.006	ug/L	98
54) o-Xylene	9.484	106	138818	46.265	ug/L	99
55) Styrene	9.500	104	248493	46.848	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	149658	59.206	ug/L	99
59) Bromoform	9.670	173	59132	46.546	ug/L	100
60) Isopropylbenzene	9.870	105	383151	46.694	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	123919	53.539	ug/L	98
62) 1,3,5-Trimethylbenzene	10.480	105	307271	44.511	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	309630	44.586	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	169863	46.191	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	172784	46.207	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	173654	47.655	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	32573	46.852	ug/L	94
69) 1,3,5-Trichlorobenzene	12.586	180	117965	44.003	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	113735	44.198	ug/L	99
71) Naphthalene	13.442	128	395350	48.087	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	115470	46.828	ug/L	99

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

