

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112423\
 Data File : VW033070.D
 Acq On : 24 Nov 2023 13:40
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050340

Quant Time: Nov 27 00:56:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 27 00:54:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	302771	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	305266	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	192214	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	58942	37.234	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.460%
7) Chloroethane-d5	1.532	69	46980	38.588	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.180%
11) 1,1-Dichloroethene-d2	2.060	65	25938	40.044	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.080%
21) 2-Butanone-d5	3.783	46	93261	92.595	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.590%
24) Chloroform-d	4.249	84	177102	45.396	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	4.940	65	112314	46.151	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.300%
32) Benzene-d6	4.960	84	313509	44.101	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	5.989	67	86951	43.134	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.260%
41) Toluene-d8	7.243	98	299143	44.081	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.160%
43) trans-1,3-Dichloroprop...	7.551	79	52029	44.210	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.420%
47) 2-Hexanone-d5	8.024	63	82118	98.442	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.440%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	137606	44.844	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.680%
66) 1,2-Dichlorobenzene-d4	11.561	152	152809	44.581	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	136150	41.623	ug/L	100
3) Chloromethane	1.214	50	94504	38.713	ug/L	97
5) Vinyl chloride	1.285	62	89980	39.736	ug/L	98
6) Bromomethane	1.484	94	59559	39.803	ug/L	99
8) Chloroethane	1.548	64	50779	40.542	ug/L	97
9) Trichlorofluoromethane	1.716	101	163647	44.638	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	76333	42.227	ug/L	96
12) 1,1-Dichloroethene	2.069	96	71397	42.776	ug/L	95
13) Acetone	2.111	43	67193	68.183	ug/L	99
14) Carbon disulfide	2.243	76	229455	41.335	ug/L	99
15) Methyl Acetate	2.371	43	73901	42.775	ug/L	99
16) Methylene chloride	2.445	84	99032	41.880	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	94671	44.321	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	307674	45.918	ug/L	99
19) 1,1-Dichloroethane	3.111	63	163630	42.884	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	106612	44.515	ug/L	98
22) 2-Butanone	3.863	43	100421	78.700	ug/L	97
23) Bromochloromethane	4.146	128	59475	45.149	ug/L	94
25) Chloroform	4.278	83	194131	45.203	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	154843	46.218	ug/L	98
29) Cyclohexane	4.584	56	124795	42.372	ug/L	95
30) 1,1,1-Trichloroethane	4.513	97	185584	46.546	ug/L	99
31) Carbon tetrachloride	4.738	117	172420	46.404	ug/L	100
33) Benzene	5.011	78	385288	45.376	ug/L	100
34) Trichloroethene	5.834	95	107759	45.025	ug/L	99
35) Methylcyclohexane	6.053	83	150993	43.406	ug/L	99
37) 1,2-Dichloropropane	6.095	63	93384	44.807	ug/L	100
38) Bromodichloromethane	6.432	83	146954	45.381	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	160815	44.820	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	205233	90.027	ug/L	95
42) Toluene	7.317	91	437741	46.527	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	166398	46.152	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	107783	45.921	ug/L	98
46) Tetrachloroethene	7.905	164	93458	44.810	ug/L	98
48) 2-Hexanone	8.075	43	157027	87.066	ug/L	97
49) Dibromochloromethane	8.178	129	126220	46.659	ug/L	99
50) 1,2-Dibromoethane	8.281	107	112286	45.678	ug/L	99
51) Chlorobenzene	8.815	112	298863	44.765	ug/L	99
52) Ethylbenzene	8.947	91	493910	45.730	ug/L	98
53) m,p-Xylene	9.072	106	195900	46.165	ug/L	99
54) o-Xylene	9.477	106	192188	47.050	ug/L	99
55) Styrene	9.497	104	352223	48.339	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	146878	44.298	ug/L	100
59) Bromoform	9.664	173	105157	46.943	ug/L	99
60) Isopropylbenzene	9.866	105	531325	45.598	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	120566	43.480	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	425122	45.473	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	448030	45.745	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	282543	45.258	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	286094	43.113	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	275155	43.924	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	36433	45.165	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	217942	44.903	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	205768	46.261	ug/L	99
71) Naphthalene	13.438	128	523238	47.560	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	207609	48.141	ug/L	99

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

