

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011924\
 Data File : VW033766.D
 Acq On : 19 Jan 2024 20:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050380

Quant Time: Jan 19 22:27:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 22:20:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	226488	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	211094	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	109912	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	72769	41.805	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.620%
7) Chloroethane-d5	1.529	69	61908	44.910	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.820%
11) 1,1-Dichloroethene-d2	2.060	65	34966	46.676	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.360%
21) 2-Butanone-d5	3.780	46	101016	84.607	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.610%
24) Chloroform-d	4.246	84	144692	46.487	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.980%
26) 1,2-Dichloroethane-d4	4.940	65	94196	46.839	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.680%
32) Benzene-d6	4.960	84	272290	45.372	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.740%
36) 1,2-Dichloropropane-d6	5.989	67	84516	42.784	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.560%
41) Toluene-d8	7.243	98	253830	46.943	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.880%
43) trans-1,3-Dichloroprop...	7.551	79	43889	44.955	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.900%
47) 2-Hexanone-d5	8.021	63	72365	88.315	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.310%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	110590	43.852	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.700%
66) 1,2-Dichlorobenzene-d4	11.561	152	99255	47.597	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	80311	42.624	ug/L	99
3) Chloromethane	1.217	50	89551	41.796	ug/L	100
5) Vinyl chloride	1.285	62	93338	45.537	ug/L	85
6) Bromomethane	1.481	94	49955	46.633	ug/L	98
8) Chloroethane	1.548	64	61391	50.229	ug/L	96
9) Trichlorofluoromethane	1.712	101	135939	55.577	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	75470	52.372	ug/L	97
12) 1,1-Dichloroethene	2.069	96	70567	51.915	ug/L	96
13) Acetone	2.111	43	87214	76.400	ug/L	99
14) Carbon disulfide	2.243	76	218592	47.316	ug/L	100
15) Methyl Acetate	2.371	43	81769	43.805	ug/L	# 100
16) Methylene chloride	2.445	84	77658	46.832	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	71879	47.340	ug/L	94
18) Methyl tert-butyl Ether	2.703	73	263757	48.299	ug/L	99
19) 1,1-Dichloroethane	3.111	63	145146	46.758	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	86523	51.201	ug/L	95
22) 2-Butanone	3.863	43	109805	79.199	ug/L	99
23) Bromochloromethane	4.146	128	41005	49.948	ug/L	88
25) Chloroform	4.275	83	143531	48.768	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	120301	48.937	ug/L	98
29) Cyclohexane	4.584	56	132911	44.662	ug/L	97
30) 1,1,1-Trichloroethane	4.513	97	133077	52.532	ug/L	99
31) Carbon tetrachloride	4.735	117	115414	53.376	ug/L	99
33) Benzene	5.008	78	302569	48.800	ug/L	100
34) Trichloroethene	5.831	95	82611	49.671	ug/L	98
35) Methylcyclohexane	6.050	83	132427	46.526	ug/L	96
37) 1,2-Dichloropropane	6.091	63	78959	46.279	ug/L	98
38) Bromodichloromethane	6.432	83	110924	49.698	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	134682	47.271	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	221580	87.648	ug/L	98
42) Toluene	7.313	91	321465	49.048	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	124405	47.383	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	74413	48.069	ug/L	99
46) Tetrachloroethene	7.905	164	65276	53.509	ug/L	96
48) 2-Hexanone	8.072	43	163076	80.955	ug/L	98
49) Dibromochloromethane	8.175	129	79706	49.436	ug/L	100
50) 1,2-Dibromoethane	8.281	107	78963	48.267	ug/L	97
51) Chlorobenzene	8.812	112	205433	49.207	ug/L	99
52) Ethylbenzene	8.947	91	366294	48.252	ug/L	100
53) m,p-Xylene	9.072	106	136719	48.784	ug/L	100
54) o-Xylene	9.477	106	136952	49.360	ug/L	99
55) Styrene	9.493	104	231760	48.382	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	115247	46.779	ug/L	99
59) Bromoform	9.664	173	57394	49.131	ug/L	98
60) Isopropylbenzene	9.866	105	371040	49.894	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	92069	47.199	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	314379	49.271	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	316386	49.765	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	168331	50.113	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	166348	49.389	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	167374	50.995	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	25818	45.866	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	124600	50.197	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	115403	51.223	ug/L	100
71) Naphthalene	13.438	128	302039	51.305	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	111206	52.883	ug/L	99

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

