

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072823\
 Data File : VW031775.D
 Acq On : 28 Jul 2023 09:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050394

Quant Time: Jul 28 22:35:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 27 05:18:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	354651	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	392147	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	243807	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	128623	35.576	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.160%
7) Chloroethane-d5	1.529	69	124509	37.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.160%
11) 1,1-Dichloroethene-d2	2.057	65	65695	39.255	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.520%
21) 2-Butanone-d5	3.790	46	221666	88.605	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.600%
24) Chloroform-d	4.253	84	343966	46.274	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.540%
26) 1,2-Dichloroethane-d4	4.944	65	197389	42.679	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.360%
32) Benzene-d6	4.963	84	515667	41.527	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.060%
36) 1,2-Dichloropropane-d6	5.992	67	199205	42.706	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.420%
41) Toluene-d8	7.246	98	488030	46.888	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.780%
43) trans-1,3-Dichloroprop...	7.555	79	83302	41.548	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.100%
47) 2-Hexanone-d5	8.027	63	156301	89.356	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.360%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	286683	44.607	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.220%
66) 1,2-Dichlorobenzene-d4	11.564	152	206041	41.739	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	175043	39.937	ug/L	100
3) Chloromethane	1.217	50	166078	39.840	ug/L	98
5) Vinyl chloride	1.282	62	174898	41.418	ug/L	99
6) Bromomethane	1.481	94	127754	43.894	ug/L	100
8) Chloroethane	1.545	64	114477	40.618	ug/L	100
9) Trichlorofluoromethane	1.712	101	323860	45.495	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	191009	46.451	ug/L	100
12) 1,1-Dichloroethene	2.069	96	151035	44.193	ug/L	92
13) Acetone	2.111	43	242034	101.075	ug/L	97
14) Carbon disulfide	2.240	76	383430	45.640	ug/L	100
15) Methyl Acetate	2.372	43	189836	45.525	ug/L	96
16) Methylene chloride	2.446	84	186798	48.650	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	141927	46.683	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	439869	43.980	ug/L	100
19) 1,1-Dichloroethane	3.114	63	298214	42.374	ug/L	97
20) cis-1,2-Dichloroethene	3.815	96	158244	46.090	ug/L	99
22) 2-Butanone	3.867	43	255445	93.788	ug/L	100
23) Bromochloromethane	4.146	128	86963	45.745	ug/L	99
25) Chloroform	4.278	83	353095	47.365	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.044	62	240247	43.332	ug/L	98
29) Cyclohexane	4.587	56	200121	41.446	ug/L	100
30) 1,1,1-Trichloroethane	4.516	97	295094	43.807	ug/L	100
31) Carbon tetrachloride	4.738	117	268654	45.676	ug/L	98
33) Benzene	5.015	78	607677	44.056	ug/L	100
34) Trichloroethene	5.834	95	189331	43.499	ug/L	93
35) Methylcyclohexane	6.053	83	223985	46.265	ug/L	98
37) 1,2-Dichloropropane	6.095	63	190662	46.533	ug/L	99
38) Bromodichloromethane	6.436	83	249321	42.657	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	236893	40.725	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	492781	94.430	ug/L	98
42) Toluene	7.320	91	715931	50.539	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	261045	44.970	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	186627	45.139	ug/L	98
46) Tetrachloroethene	7.908	164	133232	48.445	ug/L	95
48) 2-Hexanone	8.079	43	445605	107.052	ug/L	97
49) Dibromochloromethane	8.182	129	206821	47.404	ug/L	96
50) 1,2-Dibromoethane	8.285	107	205100	47.088	ug/L	99
51) Chlorobenzene	8.818	112	441793	46.675	ug/L	99
52) Ethylbenzene	8.950	91	733123	47.756	ug/L	100
53) m,p-Xylene	9.079	106	282014	50.942	ug/L	97
54) o-Xylene	9.484	106	254496	47.966	ug/L	95
55) Styrene	9.500	104	507335	52.345	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.182	83	259301	45.229	ug/L #	95
59) Bromoform	9.670	173	154581	46.242	ug/L #	97
60) Isopropylbenzene	9.873	105	711513	46.761	ug/L	98
61) 1,2,3-Trichloropropane	10.214	75	247769	43.326	ug/L	100
62) 1,3,5-Trimethylbenzene	10.481	105	560769	45.549	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	589971	47.337	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	378498	47.586	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	400024	47.310	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	383581	46.838	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	69508	43.700	ug/L	96
69) 1,3,5-Trichlorobenzene	12.587	180	270362	46.605	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	223547	43.073	ug/L	99
71) Naphthalene	13.445	128	634065	42.383	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	253449	46.718	ug/L	98

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

