

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042423\
 Data File : VW030781.D
 Acq On : 24 Apr 2023 09:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050336

Quant Time: Apr 25 03:21:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 22 00:43:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	249091	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	243032	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	141580	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	69692	38.166	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.340%
7) Chloroethane-d5	1.535	69	65738	42.960	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.920%
11) 1,1-Dichloroethene-d2	2.063	65	35820	41.364	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.720%
21) 2-Butanone-d5	3.796	46	89169	88.906	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.910%
24) Chloroform-d	4.256	84	153794	46.475	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.940%
26) 1,2-Dichloroethane-d4	4.947	65	101144	47.540	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.080%
32) Benzene-d6	4.966	84	267432	46.543	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.080%
36) 1,2-Dichloropropane-d6	5.995	67	79976	44.808	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.620%
41) Toluene-d8	7.249	98	257524	47.735	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.460%
43) trans-1,3-Dichloroprop...	7.558	79	43236	48.062	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.120%
47) 2-Hexanone-d5	8.030	63	61747	87.818	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.820%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	124270	47.983	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.960%
66) 1,2-Dichlorobenzene-d4	11.567	152	105908	47.063	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	96333	44.982	ug/L	100
3) Chloromethane	1.217	50	108557	38.642	ug/L	100
5) Vinyl chloride	1.288	62	98189	43.352	ug/L	99
6) Bromomethane	1.490	94	46407	51.672	ug/L	98
8) Chloroethane	1.552	64	66448	42.774	ug/L	99
9) Trichlorofluoromethane	1.715	101	180172	49.082	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	92660	48.031	ug/L	99
12) 1,1-Dichloroethene	2.076	96	80905	46.386	ug/L	89
13) Acetone	2.124	43	154070	99.273	ug/L	97
14) Carbon disulfide	2.246	76	207606	42.141	ug/L	99
15) Methyl Acetate	2.378	43	88988	42.966	ug/L	99
16) Methylene chloride	2.452	84	88499	44.339	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	79074	44.909	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	268936	47.685	ug/L	98
19) 1,1-Dichloroethane	3.117	63	158671	44.199	ug/L	99
20) cis-1,2-Dichloroethene	3.821	96	88425	46.166	ug/L	94
22) 2-Butanone	3.876	43	143462	89.449	ug/L	99
23) Bromochloromethane	4.153	128	50264	46.986	ug/L	98
25) Chloroform	4.281	83	178027	47.912	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	150823	47.951	ug/L	99
29) Cyclohexane	4.590	56	131127	44.960	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	165029	48.325	ug/L	99
31) Carbon tetrachloride	4.741	117	149462	48.952	ug/L	99
33) Benzene	5.018	78	348276	47.191	ug/L	100
34) Trichloroethene	5.838	95	89451	46.598	ug/L	99
35) Methylcyclohexane	6.056	83	145346	48.321	ug/L	98
37) 1,2-Dichloropropane	6.098	63	90106	45.362	ug/L	97
38) Bromodichloromethane	6.436	83	131357	47.075	ug/L	96
39) cis-1,3-Dichloropropene	6.960	75	139371	46.748	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	251951	90.800	ug/L	98
42) Toluene	7.320	91	391286	49.500	ug/L	97
44) trans-1,3-Dichloropropene	7.583	75	143794	49.092	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	94138	47.262	ug/L	97
46) Tetrachloroethene	7.911	164	82122	48.874	ug/L	97
48) 2-Hexanone	8.082	43	214621	93.741	ug/L	98
49) Dibromochloromethane	8.181	129	107310	48.842	ug/L	98
50) 1,2-Dibromoethane	8.288	107	96673	46.841	ug/L	99
51) Chlorobenzene	8.818	112	250902	47.925	ug/L	99
52) Ethylbenzene	8.953	91	428749	48.994	ug/L	99
53) m,p-Xylene	9.079	106	168490	50.972	ug/L	97
54) o-Xylene	9.484	106	161830	50.044	ug/L	99
55) Styrene	9.500	104	290516	51.144	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	150291	45.957	ug/L	98
59) Bromoform	9.670	173	87861	49.567	ug/L	99
60) Isopropylbenzene	9.873	105	440326	49.869	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	115655	45.609	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	362383	49.847	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	359779	49.566	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	215906	48.840	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	225325	48.337	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	217817	48.841	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	31989	42.579	ug/L	91
69) 1,3,5-Trichlorobenzene	12.590	180	163541	48.973	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	134422	47.410	ug/L	98
71) Naphthalene	13.448	128	337711	43.541	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	138039	49.098	ug/L	99

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

