

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081822\
 Data File : VW027427.D
 Acq On : 18 Aug 2022 09:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050340

Quant Time: Aug 18 20:48:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 18 02:23:52 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh
 Dadoda

08/19/2022
 Supervised By :Semsettin
 Yesilyurt

08/30/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	304606	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	302967	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	181115	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.304	65	96873	46.647	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.300%
7) Chloroethane-d5	1.565	69	65319	43.024	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.040%
11) 1,1-Dichloroethene-d2	2.105	63	223840	58.926	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	117.860%
21) 2-Butanone-d5	3.876	46	146170	79.073	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.070%
24) Chloroform-d	4.343	84	195424	45.939	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.880%
26) 1,2-Dichloroethane-d4	5.027	65	124712	47.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.440%
32) Benzene-d6	5.043	84	371750	51.168	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.340%
36) 1,2-Dichloropropane-d6	6.066	67	116918	45.240	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.480%
41) Toluene-d8	7.310	98	340396	54.966	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.940%
43) trans-1,3-Dichloroprop...	7.619	79	53300	47.315	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.640%
47) 2-Hexanone-d5	8.088	63	98512	79.142	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.140%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	164610	39.084	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.160%
66) 1,2-Dichlorobenzene-d4	11.622	152	123063	39.346	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.700%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.127	85	130169	48.037	ug/L	97
3) Chloromethane	1.237	50	122321	39.514	ug/L	99
5) Vinyl chloride	1.307	62	127194	41.245	ug/L	99
6) Bromomethane	1.520	94	57669	39.668	ug/L	100
8) Chloroethane	1.581	64	70358	40.953	ug/L	98
9) Trichlorofluoromethane	1.748	101	215922	54.569	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	135583	61.794	ug/L	98
12) 1,1-Dichloroethene	2.114	96	114846	54.413	ug/L	90
13) Acetone	2.166	43	178888	125.501	ug/L	90
14) Carbon disulfide	2.291	76	292983	40.786	ug/L	100
15) Methyl Acetate	2.426	43	174258m	53.750	ug/L	
16) Methylene chloride	2.500	84	145183	51.496	ug/L	88
17) trans-1,2-Dichloroethene	2.757	96	117961	50.505	ug/L	91
18) Methyl tert-butyl Ether	2.764	73	422966	60.889	ug/L #	95
19) 1,1-Dichloroethane	3.185	63	257886	55.001	ug/L	98
20) cis-1,2-Dichloroethene	3.905	96	133765	55.131	ug/L	88
22) 2-Butanone	3.957	43	230857	118.136	ug/L	99
23) Bromochloromethane	4.243	128	75949	56.055	ug/L	90
25) Chloroform	4.368	83	269839	56.947	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
27) 1,2-Dichloroethane	5.124	62	209319	56.720	ug/L	95	08/30/2022
29) Cyclohexane	4.674	56	181146	51.916	ug/L	93	
30) 1,1,1-Trichloroethane	4.603	97	228871	56.995	ug/L	97	
31) Carbon tetrachloride	4.822	117	201417	57.772	ug/L	99	
33) Benzene	5.095	78	530156	54.453	ug/L	100	
34) Trichloroethene	5.908	95	129945	52.126	ug/L	98	
35) Methylcyclohexane	6.127	83	193960	52.913	ug/L	92	
37) 1,2-Dichloropropane	6.169	63	150596	55.213	ug/L	100	
38) Bromodichloromethane	6.503	83	199619	55.856	ug/L	99	
39) cis-1,3-Dichloropropene	7.024	75	207774	57.508	ug/L	98	
40) 4-Methyl-2-pentanone	7.223	43	457202	117.500	ug/L #	91	
42) Toluene	7.384	91	560835	56.656	ug/L	98	
44) trans-1,3-Dichloropropene	7.645	75	209075	58.886	ug/L	99	
45) 1,1,2-Trichloroethane	7.834	97	147845	56.240	ug/L	97	
46) Tetrachloroethene	7.973	164	102377	56.110	ug/L	99	
48) 2-Hexanone	8.137	43	360675	116.384	ug/L #	90	
49) Dibromochloromethane	8.243	129	163696	58.907	ug/L	100	
50) 1,2-Dibromoethane	8.349	107	148953	55.066	ug/L	98	
51) Chlorobenzene	8.879	112	363307	54.718	ug/L	96	
52) Ethylbenzene	9.008	91	585378	57.309	ug/L	99	
53) m,p-Xylene	9.137	106	230630	59.744	ug/L	94	
54) o-Xylene	9.542	106	222709	59.218	ug/L	93	
55) Styrene	9.558	104	414412	62.552	ug/L	94	
57) 1,1,2,2-Tetrachloroethane	10.239	83	247075	56.102	ug/L	98	
59) Bromoform	9.728	173	115654	53.747	ug/L	100	
60) Isopropylbenzene	9.928	105	601775	52.723	ug/L	98	
61) 1,2,3-Trichloropropane	10.268	75	198366	47.707	ug/L	99	
62) 1,3,5-Trimethylbenzene	10.535	105	511644	54.281	ug/L	99	
63) 1,2,4-Trimethylbenzene	10.911	105	500637	54.218	ug/L	99	
64) 1,3-Dichlorobenzene	11.178	146	294140	53.172	ug/L	99	
65) 1,4-Dichlorobenzene	11.268	146	297244	51.057	ug/L	100	
67) 1,2-Dichlorobenzene	11.638	146	298762	51.545	ug/L	100	
68) 1,2-Dibromo-3-chloropr...	12.423	75	55619	47.679	ug/L	91	
69) 1,3,5-Trichlorobenzene	12.641	180	217536	58.548	ug/L	98	
70) 1,2,4-trichlorobenzene	13.259	180	180601	58.524	ug/L	99	
71) Naphthalene	13.500	128	587635	55.612	ug/L	100	
72) 1,2,3-Trichlorobenzene	13.741	180	202269	59.135	ug/L	98	

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

