

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
 Data File : VW031125.D
 Acq On : 19 May 2023 22:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050347

Quant Time: May 20 00:40:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 20 00:29:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/25/2023
 Supervised By :Mahesh Dadoda 05/25/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	289865	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	281898	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	157086	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	108737	43.894	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery =	87.780%		
7) Chloroethane-d5	1.535	69	101437	53.153	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery =	106.300%		
11) 1,1-Dichloroethene-d2	2.063	65	50938	43.849	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	87.700%		
21) 2-Butanone-d5	3.799	46	124785	94.535	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery =	94.530%		
24) Chloroform-d	4.256	84	197446	45.054	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	90.100%		
26) 1,2-Dichloroethane-d4	4.947	65	138615	46.807	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	93.620%		
32) Benzene-d6	4.966	84	356528	46.654	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	93.300%		
36) 1,2-Dichloropropane-d6	5.995	67	104922	45.886	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery =	91.780%		
41) Toluene-d8	7.249	98	334051	46.835	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	93.680%		
43) trans-1,3-Dichloroprop...	7.558	79	53163	46.342	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	92.680%		
47) 2-Hexanone-d5	8.030	63	82036	92.018	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery =	92.020%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	153778	44.839	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery =	89.680%		
66) 1,2-Dichlorobenzene-d4	11.567	152	134508	47.650	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	95.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	88576	47.333	ug/L	98
3) Chloromethane	1.217	50	102173	49.871	ug/L	96
5) Vinyl chloride	1.288	62	89810	49.079	ug/L	97
6) Bromomethane	1.490	94	51247	49.971	ug/L	98
8) Chloroethane	1.551	64	67322	57.093	ug/L	97
9) Trichlorofluoromethane	1.715	101	169963	47.222	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	88669	46.716	ug/L	98
12) 1,1-Dichloroethene	2.076	96	74487	46.261	ug/L	94
13) Acetone	2.127	43	108969m	63.499	ug/L	
14) Carbon disulfide	2.246	76	142836	48.680	ug/L	98
15) Methyl Acetate	2.381	43	97849	50.170	ug/L	98
16) Methylene chloride	2.455	84	85277	47.573	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	71221	47.841	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	294968	51.291	ug/L	99
19) 1,1-Dichloroethane	3.117	63	166370	49.038	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	91848	50.048	ug/L	97
22) 2-Butanone	3.879	43	134698	81.852	ug/L	97
23) Bromochloromethane	4.156	128	49383	48.967	ug/L	96
25) Chloroform	4.281	83	184423	48.661	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	162097	50.409	ug/L	97
29) Cyclohexane	4.590	56	108698	49.002	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	170550	49.303	ug/L	98
31) Carbon tetrachloride	4.744	117	146612	48.651	ug/L	98
33) Benzene	5.018	78	339646	50.292	ug/L	100
34) Trichloroethene	5.837	95	108204	59.795	ug/L	97
35) Methylcyclohexane	6.059	83	117029	48.737	ug/L	99
37) 1,2-Dichloropropane	6.101	63	89738	48.277	ug/L	99
38) Bromodichloromethane	6.439	83	139923	48.560	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	142976	49.882	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	285965	99.976	ug/L	100
42) Toluene	7.323	91	370512	50.708	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	144211	49.734	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	100097	49.349	ug/L	98
46) Tetrachloroethene	7.911	164	73265	47.151	ug/L	95
48) 2-Hexanone	8.082	43	224788	94.355	ug/L	99
49) Dibromochloromethane	8.181	129	110153	48.132	ug/L	95
50) 1,2-Dibromoethane	8.288	107	96305	47.755	ug/L	97
51) Chlorobenzene	8.818	112	251245	48.311	ug/L	99
52) Ethylbenzene	8.953	91	407245	48.680	ug/L	99
53) m,p-Xylene	9.079	106	159295	49.088	ug/L	97
54) o-Xylene	9.484	106	159661	49.874	ug/L	99
55) Styrene	9.503	104	283965	50.155	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	161981	48.603	ug/L	99
59) Bromoform	9.670	173	90244	49.545	ug/L	99
60) Isopropylbenzene	9.873	105	438301	52.171	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	125244	51.827	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	356240	51.587	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	346666	51.342	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	214737	49.885	ug/L	98
65) 1,4-Dichlorobenzene	11.213	146	221667	49.498	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	224696	51.443	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	33589	45.279	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	142596	42.851	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	117347	41.437	ug/L	99
71) Naphthalene	13.445	128	302604	41.137	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	121195	42.826	ug/L	97

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

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