

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041723\
 Data File : VW030583.D
 Acq On : 17 Apr 2023 12:30
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV220

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/18/2023
 Supervised By : Mahesh Dadoda 04/18/2023

Quant Time: Apr 18 02:39:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:32:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	292290	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	281012	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	159157	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	99523	46.447	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.900%		
7) Chloroethane-d5	1.539	69	78240	43.574	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.140%		
11) 1,1-Dichloroethene-d2	2.063	65	45622	44.897	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.800%		
21) 2-Butanone-d5	3.802	46	134617	114.382	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	114.380%		
24) Chloroform-d	4.259	84	183780	47.328	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.660%		
26) 1,2-Dichloroethane-d4	4.950	65	120929	48.439	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.880%		
32) Benzene-d6	4.969	84	336056	50.581	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.160%		
36) 1,2-Dichloropropane-d6	5.995	67	103463	50.133	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.260%		
41) Toluene-d8	7.249	98	316049	50.665	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.340%		
43) trans-1,3-Dichloroprop...	7.558	79	53633	51.561	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	103.120%		
47) 2-Hexanone-d5	8.034	63	87945	108.173	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	108.170%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	148784	49.683	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.360%		
66) 1,2-Dichlorobenzene-d4	11.570	152	127922	50.567	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.140%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	115449	45.940	ug/L	99
3) Chloromethane	1.217	50	150507	45.656	ug/L	99
5) Vinyl chloride	1.288	62	122239	45.994	ug/L	98
6) Bromomethane	1.494	94	50350	47.777	ug/L	100
8) Chloroethane	1.555	64	78683	43.164	ug/L	99
9) Trichlorofluoromethane	1.716	101	192818	44.764	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	103938	45.914	ug/L	97
12) 1,1-Dichloroethene	2.076	96	92613	45.251	ug/L	96
13) Acetone	2.134	43	153204	84.125	ug/L	100
14) Carbon disulfide	2.246	76	273866	47.375	ug/L	98
15) Methyl Acetate	2.381	43	128727	52.967	ug/L	99
16) Methylene chloride	2.455	84	111331	47.535	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	98995	47.913	ug/L	98
18) Methyl tert-butyl Ether	2.712	73	354015	53.493	ug/L	99
19) 1,1-Dichloroethane	3.117	63	200498	47.596	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	113427	50.467	ug/L	97
22) 2-Butanone	3.883	43	184660	98.120	ug/L	100
23) Bromochloromethane	4.156	128	60875	48.495	ug/L	95
25) Chloroform	4.285	83	209916	48.145	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	181795	49.256	ug/L	99
29) Cyclohexane	4.593	56	170340	50.512	ug/L	99
30) 1,1,1-Trichloroethane	4.523	97	184543	46.736	ug/L	99
31) Carbon tetrachloride	4.744	117	160670	45.511	ug/L	97
33) Benzene	5.018	78	426640	49.996	ug/L	100
34) Trichloroethene	5.841	95	108958	49.088	ug/L	98
35) Methylcyclohexane	6.059	83	175373	50.424	ug/L	99
37) 1,2-Dichloropropane	6.101	63	111305	48.460	ug/L	100
38) Bromodichloromethane	6.439	83	158622	49.163	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	182377	52.905	ug/L	97
40) 4-Methyl-2-pentanone	7.166	43	350753	109.323	ug/L	100
42) Toluene	7.323	91	456316	49.924	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	178811	52.797	ug/L	100
45) 1,1,2-Trichloroethane	7.776	97	113845	49.431	ug/L	98
46) Tetrachloroethene	7.911	164	93325	48.035	ug/L	97
48) 2-Hexanone	8.082	43	278567	105.226	ug/L	99
49) Dibromochloromethane	8.185	129	121851	47.965	ug/L	99
50) 1,2-Dibromoethane	8.288	107	120561	50.521	ug/L	99
51) Chlorobenzene	8.821	112	295375	48.795	ug/L	97
52) Ethylbenzene	8.953	91	504938	49.901	ug/L	98
53) m,p-Xylene	9.079	106	193360	50.590	ug/L	99
54) o-Xylene	9.487	106	183680	49.124	ug/L	98
55) Styrene	9.503	104	332433	50.614	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	186986	49.450	ug/L	99
59) Bromoform	9.673	173	99662	50.015	ug/L	99
60) Isopropylbenzene	9.876	105	507810	51.160	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	145237	50.950	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	419133	51.286	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	425265	52.117	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	255365	51.387	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	262820m	50.154	ug/L	
67) 1,2-Dichlorobenzene	11.587	146	253204	50.506	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.374	75	43063	50.989	ug/L	98
69) 1,3,5-Trichlorobenzene	12.590	180	196627	52.378	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	178339	55.952	ug/L	99
71) Naphthalene	13.448	128	559373	64.156	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	182524	57.750	ug/L	99

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

