

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091224\
 Data File : VW037254.D
 Acq On : 12 Sep 2024 08:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050390

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/13/2024
 Supervised By :Mahesh Dadoda 09/13/2024

Quant Time: Sep 13 00:40:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 09 22:02:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	657980	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	638682	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	335122	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	261365	43.424	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	86.840%	
7) Chloroethane-d5	1.532	69	208376	44.795	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	89.580%	
11) 1,1-Dichloroethene-d2	2.056	65	112063	44.298	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	88.600%	
21) 2-Butanone-d5	3.786	46	191820m	82.297	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	82.300%	
24) Chloroform-d	4.240	84	474959	50.419	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	100.840%	
26) 1,2-Dichloroethane-d4	4.934	65	277910	46.847	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	93.700%	
32) Benzene-d6	4.950	84	918435	47.610	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	95.220%	
36) 1,2-Dichloropropane-d6	5.982	67	291720	48.281	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	96.560%	
41) Toluene-d8	7.236	98	828921	47.612	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	95.220%	
43) trans-1,3-Dichloroprop...	7.545	79	129176	46.211	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	92.420%	
47) 2-Hexanone-d5	8.021	63	125919	76.361	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	76.360%	
56) 1,1,2,2-Tetrachloroeth...	10.146	84	320396	43.723	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	87.440%	
66) 1,2-Dichlorobenzene-d4	11.551	152	307853	45.867	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	91.740%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	272366	48.985	ug/L	99
3) Chloromethane	1.217	50	282839	45.232	ug/L	99
5) Vinyl chloride	1.282	62	292802	49.879	ug/L	98
6) Bromomethane	1.487	94	172939	52.576	ug/L	98
8) Chloroethane	1.548	64	184810	51.470	ug/L	100
9) Trichlorofluoromethane	1.712	101	397496	51.888	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	244267	53.610	ug/L	99
12) 1,1-Dichloroethene	2.069	96	217139	50.583	ug/L	97
13) Acetone	2.108	43	207170	82.876	ug/L	100
14) Carbon disulfide	2.237	76	633502	48.612	ug/L	99
15) Methyl Acetate	2.368	43	190227	45.391	ug/L	99
16) Methylene chloride	2.442	84	252374	52.107	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	230989	51.833	ug/L	99
18) Methyl tert-butyl Ether	2.700	73	694080	49.512	ug/L	99
19) 1,1-Dichloroethane	3.101	63	465450	52.593	ug/L	99
20) cis-1,2-Dichloroethene	3.802	96	261365	53.077	ug/L	98
22) 2-Butanone	3.867	43	227880	82.797	ug/L	100
23) Bromochloromethane	4.137	128	130696	54.068	ug/L	96
25) Chloroform	4.265	83	467348	52.143	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.031	62	346542	52.709	ug/L	98
29) Cyclohexane	4.571	56	378557	50.410	ug/L	98
30) 1,1,1-Trichloroethane	4.500	97	393083	53.489	ug/L	99
31) Carbon tetrachloride	4.722	117	339138	54.690	ug/L	99
33) Benzene	4.998	78	995260	53.997	ug/L	100
34) Trichloroethene	5.825	95	264925	54.456	ug/L	99
35) Methylcyclohexane	6.040	83	404468	51.171	ug/L	100
37) 1,2-Dichloropropane	6.085	63	263382	53.301	ug/L	100
38) Bromodichloromethane	6.426	83	343914	54.302	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	417967	53.599	ug/L	98
40) 4-Methyl-2-pentanone	7.153	43	439974	87.580	ug/L	99
42) Toluene	7.307	91	1049398	54.682	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	362913	52.067	ug/L	98
45) 1,1,2-Trichloroethane	7.760	97	241998	52.609	ug/L	99
46) Tetrachloroethene	7.899	164	189368	54.250	ug/L	98
48) 2-Hexanone	8.072	43	325505	83.781	ug/L	99
49) Dibromochloromethane	8.169	129	250573	54.402	ug/L	99
50) 1,2-Dibromoethane	8.275	107	244767	52.585	ug/L	96
51) Chlorobenzene	8.805	112	682785	53.741	ug/L	99
52) Ethylbenzene	8.937	91	1182203	54.537	ug/L	99
53) m,p-Xylene	9.066	106	440914	54.898	ug/L	99
54) o-Xylene	9.471	106	424222	53.946	ug/L	99
55) Styrene	9.487	104	761711	55.823	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.169	83	327141	48.019	ug/L	98
59) Bromoform	9.657	173	157001	50.311	ug/L	99
60) Isopropylbenzene	9.860	105	1167763	53.750	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	240992	46.227	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	947795	53.322	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	944352	53.237	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	531716	53.001	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	544098	52.991	ug/L	99
67) 1,2-Dichlorobenzene	11.571	146	514514	52.160	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.355	75	55354	42.577	ug/L	96
69) 1,3,5-Trichlorobenzene	12.574	180	364779	52.257	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	331562	50.442	ug/L	100
71) Naphthalene	13.432	128	807784	42.559	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	319453	49.317	ug/L	98

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

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