

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW010822\
 Data File : VW024309.D
 Acq On : 08 Jan 2022 10:50
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005294

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/10/2022
 Supervised By : Mahesh Dadoda 01/10/2022

Quant Time: Jan 10 01:49:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR010422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 08 00:06:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	124252	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	125024	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	78383	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	42926	4.254	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.000%
7) Chloroethane-d5	1.568	69	35881	4.523	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.111	63	92376	4.668	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.400%
20) 2-Butanone-d5	3.918	46	69573m	53.036	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.080%
24) Chloroform-d	4.346	84	95032	5.026	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.031	65	43045	4.813	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.050	84	171587	4.899	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.000%
36) 1,2-Dichloropropane-d6	6.066	67	45723	5.023	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.400%
41) Toluene-d8	7.314	98	169637	4.877	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
43) trans-1,3-Dichloroprop...	7.622	79	20672	4.958	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.200%
46) 2-Hexanone-d5	8.092	63	70395	54.027	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.060%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	35056	5.292	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	67441	4.954	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.131	85	82875	5.310	ug/L	99
3) Chloromethane	1.243	50	55277	5.298	ug/L	95
5) Vinyl chloride	1.311	62	62243	5.413	ug/L	98
6) Bromomethane	1.523	94	40674	5.341	ug/L	99
8) Chloroethane	1.587	64	39859	5.511	ug/L	99
9) Trichlorofluoromethane	1.754	101	123660	5.429	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	64097	5.582	ug/L	97
12) 1,1-Dichloroethene	2.121	96	54665	5.570	ug/L	97
13) Acetone	2.211	43	66421m	52.656	ug/L	
14) Carbon disulfide	2.298	76	119845	5.195	ug/L	100
15) Methyl Acetate	2.446	43	13207m	4.988	ug/L	
16) Methylene chloride	2.507	84	69956	4.652	ug/L	96
17) Methyl tert-butyl Ether	2.770	73	128702	5.461	ug/L	98
18) trans-1,2-Dichloroethene	2.761	96	56581	5.414	ug/L	99
19) 1,1-Dichloroethane	3.188	63	107068	5.774	ug/L	99
21) 2-Butanone	3.995	43	91357m	53.410	ug/L	
22) cis-1,2-Dichloroethene	3.912	96	63609	5.546	ug/L	95
23) Bromochloromethane	4.249	128	29504	5.786	ug/L	91
25) Chloroform	4.375	83	124753	5.624	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV010822\
 Data File : VV024309.D
 Acq On : 08 Jan 2022 10:50
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005294

Quant Time: Jan 10 01:49:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR010422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 08 00:06:47 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/10/2022
 Supervised By : Mahesh Dadoda 01/10/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	68220	5.551	ug/L	96
29) 1,1,1-Trichloroethane	4.606	97	120219	5.619	ug/L	99
30) Cyclohexane	4.677	56	76018	5.635	ug/L	94
31) Carbon tetrachloride	4.828	117	107922	5.530	ug/L	100
33) Benzene	5.098	78	235591	5.717	ug/L	100
34) Trichloroethene	5.912	95	65639	5.692	ug/L	96
35) Methylcyclohexane	6.130	83	91243	5.671	ug/L	97
37) 1,2-Dichloropropane	6.172	63	55534	5.807	ug/L	100
38) Bromodichloromethane	6.506	83	85882	5.695	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	87437	6.000	ug/L	95
40) 4-Methyl-2-pentanone	7.227	43	298555	61.000	ug/L	96
42) Toluene	7.384	91	277807	5.855	ug/L	98
44) trans-1,3-Dichloropropene	7.648	75	77995	5.947	ug/L	99
45) 1,1,2-Trichloroethane	7.838	97	43739	5.622	ug/L	97
47) Tetrachloroethene	7.973	164	61606	5.726	ug/L	97
48) 2-Hexanone	8.140	43	220979	61.196	ug/L	95
49) Dibromochloromethane	8.243	129	63217	5.905	ug/L	97
50) 1,2-Dibromoethane	8.352	107	41387	5.867	ug/L	93
51) Chlorobenzene	8.879	112	188553	5.755	ug/L	97
52) Ethylbenzene	9.011	91	308009	5.914	ug/L	100
53) m,p-xylene	9.137	106	124348	5.963	ug/L	98
54) o-xylene	9.542	106	118882	5.831	ug/L	95
55) Styrene	9.558	104	209614	6.084	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	46070	5.830	ug/L #	98
59) Bromoform	9.731	173	35915	5.493	ug/L	99
60) Isopropylbenzene	9.931	105	333381	5.766	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	35164	5.546	ug/L	96
62) 1,3,5-Trimethylbenzene	10.538	105	282685	5.701	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	295418	5.850	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	175707	5.725	ug/L	98
65) 1,4-Dichlorobenzene	11.272	146	173585	5.666	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	156931	5.651	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.429	75	7661	5.514	ug/L	92
69) 1,3,5-Trichlorobenzene	12.645	180	140730	5.539	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	108884	5.455	ug/L	98
71) Naphthalene	13.500	128	148427	5.326	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	96646	5.618	ug/L	100

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

Reviewed By :John Carlone 01/10/2022
Supervised By :Mahesh Dadoda 01/10/2022

[illegible]