

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050123\
 Data File : VW030944.D
 Acq On : 01 May 2023 10:10
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005338

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2023
 Supervised By : Mahesh Dadoda 05/02/2023

Quant Time: May 02 01:32:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 29 01:06:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	130035	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	127284	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	74681	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	48787	4.554	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.000%
7) Chloroethane-d5	1.535	69	38288	4.381	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.600%
11) 1,1-Dichloroethene-d2	2.063	65	25759	4.543	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	3.834	46	78799	41.477	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.960%
24) Chloroform-d	4.259	84	94332	4.430	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	4.953	65	47281	4.368	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
32) Benzene-d6	4.969	84	164611	4.412	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	5.995	67	45110	4.158	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.200%
41) Toluene-d8	7.249	98	161693	4.551	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
43) trans-1,3-Dichloroprop...	7.561	79	18314	4.503	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.034	63	59000	41.409	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.820%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	34049	4.330	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.600%
66) 1,2-Dichlorobenzene-d4	11.567	152	58096	4.173	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	49968	4.864	ug/L	98
3) Chloromethane	1.217	50	54024	4.481	ug/L	99
5) Vinyl chloride	1.285	62	48391	4.796	ug/L	97
6) Bromomethane	1.490	94	22274	4.635	ug/L	91
8) Chloroethane	1.555	64	29676	4.832	ug/L	97
9) Trichlorofluoromethane	1.719	101	91368	4.908	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	47110	4.957	ug/L	98
12) 1,1-Dichloroethene	2.072	96	42622	4.870	ug/L	97
13) Acetone	2.166	43	79898	49.234	ug/L	83
14) Carbon disulfide	2.246	76	99484	4.345	ug/L	99
15) Methyl Acetate	2.394	43	17746m	5.375	ug/L	
16) Methylene chloride	2.452	84	42254	4.268	ug/L	95
17) Methyl tert-butyl Ether	2.712	73	84633	5.080	ug/L	99
18) trans-1,2-Dichloroethene	2.699	96	38589	4.828	ug/L	100
19) 1,1-Dichloroethane	3.117	63	76562	4.960	ug/L	99
21) 2-Butanone	3.915	43	81667	45.758	ug/L	94
22) cis-1,2-Dichloroethene	3.825	96	40839	4.842	ug/L	97
23) Bromochloromethane	4.159	128	20333	5.121	ug/L	95
25) Chloroform	4.285	83	85465	5.161	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	53938	5.190	ug/L #	94
29) 1,1,1-Trichloroethane	4.519	97	82195	5.139	ug/L	99
30) Cyclohexane	4.590	56	53318	4.414	ug/L	97
31) Carbon tetrachloride	4.744	117	73119	5.090	ug/L	98
33) Benzene	5.018	78	163839	5.117	ug/L	100
34) Trichloroethene	5.841	95	42227	4.948	ug/L	97
35) Methylcyclohexane	6.056	83	59832	4.524	ug/L	97
37) 1,2-Dichloropropane	6.098	63	41878	5.515	ug/L	98
38) Bromodichloromethane	6.439	83	57471	5.171	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	57822	5.084	ug/L	94
40) 4-Methyl-2-pentanone	7.169	43	215367	54.734	ug/L	100
42) Toluene	7.323	91	181047	5.252	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	48340	4.988	ug/L	100
45) 1,1,2-Trichloroethane	7.776	97	29492	5.234	ug/L	97
47) Tetrachloroethene	7.911	164	39792	4.887	ug/L	95
48) 2-Hexanone	8.085	43	165312	54.776	ug/L	99
49) Dibromochloromethane	8.185	129	37577	5.301	ug/L	93
50) 1,2-Dibromoethane	8.291	107	26205	5.214	ug/L #	93
51) Chlorobenzene	8.821	112	116729	4.995	ug/L	100
52) Ethylbenzene	8.953	91	185909	4.947	ug/L	96
53) m,p-Xylene	9.079	106	73968	4.932	ug/L	97
54) o-Xylene	9.484	106	72601	5.087	ug/L	98
55) Styrene	9.503	104	124664	5.176	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	33784	5.364	ug/L	97
59) Bromoform	9.673	173	22902	5.210	ug/L	98
60) Isopropylbenzene	9.873	105	200451	4.978	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	23161	4.937	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	159329	4.861	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	158348	4.768	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	104395	5.048	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	105981	5.080	ug/L	93
67) 1,2-Dichlorobenzene	11.586	146	93311	5.018	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.374	75	5879	4.937	ug/L #	85
69) 1,3,5-Trichlorobenzene	12.590	180	83525	5.101	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	64202	5.103	ug/L	99
71) Naphthalene	13.448	128	83176	4.610	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	53163	4.991	ug/L	99

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

