

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052723\
 Data File : VW031250.D
 Acq On : 26 May 2023 15:43
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

Quant Time: May 27 01:40:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR052523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 26 06:48:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	158898	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	158197	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	87123	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	72912	4.140	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.800%
7) Chloroethane-d5	1.535	69	63979	4.657	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.063	65	32232	4.428	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.600%
20) 2-Butanone-d5	3.815	46	188847	49.823	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.640%
24) Chloroform-d	4.255	84	165441	4.737	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	4.950	65	81720	4.736	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	4.966	84	296680	4.491	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	5.995	67	99917	4.520	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.249	98	192756	3.339	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.800%#
43) trans-1,3-Dichloroprop...	7.561	79	24886	3.501	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.000%
46) 2-Hexanone-d5	8.033	63	134539	46.355	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.720%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	69930	4.482	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.600%
66) 1,2-Dichlorobenzene-d4	11.567	152	88459	4.328	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	83984	4.912	ug/L	100
3) Chloromethane	1.217	50	87466	4.572	ug/L	98
5) Vinyl chloride	1.285	62	87438	4.726	ug/L	99
6) Bromomethane	1.490	94	44417	4.862	ug/L	100
8) Chloroethane	1.551	64	48629	4.987	ug/L	98
9) Trichlorofluoromethane	1.715	101	121286	4.768	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	67656	5.025	ug/L	99
12) 1,1-Dichloroethene	2.072	96	52501	4.882	ug/L	87
13) Acetone	2.143	43	134966	45.309	ug/L	96
14) Carbon disulfide	2.246	76	154608	4.854	ug/L	99
15) Methyl Acetate	2.391	43	26840	4.524	ug/L #	90
16) Methylene chloride	2.452	84	92193	4.966	ug/L	96
17) Methyl tert-butyl Ether	2.712	73	146660	4.944	ug/L	98
18) trans-1,2-Dichloroethene	2.699	96	61427	5.122	ug/L	96
19) 1,1-Dichloroethane	3.117	63	145618	4.922	ug/L	99
21) 2-Butanone	3.899	43	182675	48.502	ug/L	97
22) cis-1,2-Dichloroethene	3.825	96	66329	4.814	ug/L	95
23) Bromochloromethane	4.156	128	31408	5.116	ug/L	99
25) Chloroform	4.284	83	157414	5.204	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	87374	5.089	ug/L #	95
29) 1,1,1-Trichloroethane	4.519	97	131799	4.470	ug/L	98
30) Cyclohexane	4.590	56	99606	4.414	ug/L	98
31) Carbon tetrachloride	4.741	117	117141	4.608	ug/L	100
33) Benzene	5.018	78	279158	4.735	ug/L	100
34) Trichloroethene	5.837	95	74144	4.681	ug/L	98
35) Methylcyclohexane	6.056	83	102310	4.672	ug/L	97
37) 1,2-Dichloropropane	6.101	63	80972	4.688	ug/L	99
38) Bromodichloromethane	6.439	83	101832	4.704	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	80130	3.915	ug/L	98
40) 4-Methyl-2-pentanone	7.165	43	288167	34.062	ug/L	96
42) Toluene	7.320	91	211877	3.658	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	67465	3.799	ug/L	95
45) 1,1,2-Trichloroethane	7.776	97	45062	4.314	ug/L	94
47) Tetrachloroethene	7.911	164	51541	4.489	ug/L	97
48) 2-Hexanone	8.085	43	329344	50.136	ug/L	98
49) Dibromochloromethane	8.181	129	61990	4.940	ug/L	99
50) 1,2-Dibromoethane	8.287	107	46278	4.799	ug/L	93
51) Chlorobenzene	8.821	112	181886	4.773	ug/L	97
52) Ethylbenzene	8.953	91	305187	4.778	ug/L	99
53) m,p-Xylene	9.078	106	113052	4.790	ug/L	96
54) o-Xylene	9.484	106	105351	4.689	ug/L	100
55) Styrene	9.503	104	190227	4.801	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	59897	4.543	ug/L	99
59) Bromoform	9.670	173	33868	4.802	ug/L	97
60) Isopropylbenzene	9.873	105	305450	4.809	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	43478	4.566	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	240861	4.677	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	250191	4.744	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	152730	5.078	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	150977	4.906	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	135995	4.718	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	9813	4.890	ug/L	87
69) 1,3,5-Trichlorobenzene	12.590	180	114913	4.705	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	85925	4.402	ug/L	97
71) Naphthalene	13.448	128	108141	3.743	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	74170	4.417	ug/L	99

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

