

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051424\
 Data File : VU058894.D
 Acq On : 14 May 2024 18:28
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005103

Quant Time: May 15 01:10:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 15 00:49:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	155558	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	155684	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	81024	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	43377	4.604	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.000%
7) Chloroethane-d5	1.911	69	40850	4.796	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.563	65	18118	4.718	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.400%
20) 2-Butanone-d5	4.628	46	137372	56.074	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.140%
24) Chloroform-d	5.055	84	98562	5.180	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	5.695	65	47888	4.897	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.721	84	179472	5.022	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
36) 1,2-Dichloropropane-d6	6.685	67	60353	5.069	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.400%
41) Toluene-d8	7.891	98	157366	4.838	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
43) trans-1,3-Dichloroprop...	8.174	79	21175	5.182	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.600%
46) 2-Hexanone-d5	8.627	63	107281	54.708	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.420%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	52487	5.104	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	59872	4.913	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.383	85	56240	4.942	ug/L	97
3) Chloromethane	1.518	50	67472	5.091	ug/L	100
5) Vinyl chloride	1.602	62	72763	5.125	ug/L	100
6) Bromomethane	1.856	94	43565	4.926	ug/L	98
8) Chloroethane	1.933	64	45310	5.022	ug/L	97
9) Trichlorofluoromethane	2.136	101	89371	4.908	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	52662	4.773	ug/L	99
12) 1,1-Dichloroethene	2.576	96	49326	5.090	ug/L	98
13) Acetone	2.647	43	88320	52.160	ug/L	97
14) Carbon disulfide	2.792	76	145982	4.754	ug/L	100
15) Methyl Acetate	2.956	43	19894	4.727	ug/L	96
16) Methylene chloride	3.039	84	77609	5.903	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	127166	5.048	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	51996	5.096	ug/L	100
19) 1,1-Dichloroethane	3.862	63	110849	5.197	ug/L	98
21) 2-Butanone	4.708	43	145943	53.739	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	64441	5.485	ug/L	98
23) Bromochloromethane	4.968	128	25623	4.939	ug/L	94
25) Chloroform	5.078	83	114542	5.139	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	70590	5.184	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	89785	5.158	ug/L	99
30) Cyclohexane	5.383	56	81211	4.934	ug/L	97
31) Carbon tetrachloride	5.518	117	73722	5.077	ug/L	99
33) Benzene	5.769	78	239429	5.232	ug/L	100
34) Trichloroethene	6.537	95	62984	5.203	ug/L	98
35) Methylcyclohexane	6.756	83	83885	4.857	ug/L	97
37) 1,2-Dichloropropane	6.785	63	67775	5.218	ug/L	100
38) Bromodichloromethane	7.100	83	79294	5.093	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	89998	5.084	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	365056	54.373	ug/L	99
42) Toluene	7.962	91	256010	5.364	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	73941	5.119	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	47776	5.228	ug/L	98
47) Tetrachloroethene	8.547	164	45759	5.306	ug/L	98
48) 2-Hexanone	8.679	43	265629	54.901	ug/L	100
49) Dibromochloromethane	8.801	129	49488	5.136	ug/L	98
50) 1,2-Dibromoethane	8.917	107	42740	5.293	ug/L	97
51) Chlorobenzene	9.441	112	156113	5.133	ug/L	99
52) Ethylbenzene	9.563	91	262043	5.085	ug/L	99
53) m,p-Xylene	9.688	106	96257	5.104	ug/L	97
54) o-Xylene	10.094	106	94745	5.137	ug/L	99
55) Styrene	10.110	104	165472	5.333	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	60005	5.180	ug/L	99
59) Bromoform	10.283	173	29358	4.959	ug/L	97
60) Isopropylbenzene	10.479	105	257800	4.970	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	41668	4.994	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	204261	4.941	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	206113	5.028	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	121894	4.830	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	122668	4.870	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	117717	4.990	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	8163	4.864	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	89327	4.720	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	73890	4.731	ug/L	99
71) Naphthalene	14.081	128	111603	4.742	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	67096	4.896	ug/L	98

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

