

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U091823\
 Data File : VU055385.D
 Acq On : 18 Sep 2023 20:45
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005131

Quant Time: Sep 19 01:18:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 19 01:12:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	258727	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	265526	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	152064	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	47033	3.163	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.200%
7) Chloroethane-d5	1.911	69	52321	3.117	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	62.400%#
11) 1,1-Dichloroethene-d2	2.563	65	16959	3.153	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.000%
20) 2-Butanone-d5	4.628	46	232306	56.492	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.980%
24) Chloroform-d	5.058	84	143044	4.307	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
26) 1,2-Dichloroethane-d4	5.698	65	70669	4.217	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
32) Benzene-d6	5.721	84	201452	3.619	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.400%
36) 1,2-Dichloropropane-d6	6.685	67	79850	4.210	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.200%
41) Toluene-d8	7.894	98	154472	3.219	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.400%#
43) trans-1,3-Dichloroprop...	8.177	79	29013	4.311	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.200%
46) 2-Hexanone-d5	8.627	63	143505	58.612	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.220%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	86676	5.255	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	83527	4.265	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	116759	4.729	ug/L	98
3) Chloromethane	1.515	50	118094	4.971	ug/L	97
5) Vinyl chloride	1.602	62	127664	4.976	ug/L	97
6) Bromomethane	1.856	94	85235	4.356	ug/L	98
8) Chloroethane	1.930	64	87468	4.238	ug/L	100
9) Trichlorofluoromethane	2.132	101	182309	4.441	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	110126	5.379	ug/L	93
12) 1,1-Dichloroethene	2.576	96	100537	5.527	ug/L #	80
13) Acetone	2.637	43	135344	51.037	ug/L	95
14) Carbon disulfide	2.788	76	299068	5.200	ug/L	100
15) Methyl Acetate	2.949	43	34492	5.510	ug/L	98
16) Methylene chloride	3.039	84	124543	4.595	ug/L	97
17) Methyl tert-butyl Ether	3.358	73	232215	5.325	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	105600	5.280	ug/L	98
19) 1,1-Dichloroethane	3.862	63	198058	5.090	ug/L	99
21) 2-Butanone	4.705	43	224020	51.026	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	121943	5.206	ug/L	99
23) Bromochloromethane	4.968	128	53022	5.569	ug/L	95
25) Chloroform	5.081	83	214860	5.100	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	128316	4.913	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	179542	5.321	ug/L	99
30) Cyclohexane	5.386	56	161788	5.079	ug/L	97
31) Carbon tetrachloride	5.521	117	157791	5.498	ug/L	96
33) Benzene	5.769	78	457954	5.211	ug/L	100
34) Trichloroethene	6.537	95	129658	5.183	ug/L	95
35) Methylcyclohexane	6.759	83	182975	5.032	ug/L	98
37) 1,2-Dichloropropane	6.785	63	120446	5.219	ug/L	98
38) Bromodichloromethane	7.100	83	144059	5.231	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	161730	5.156	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	574729	52.478	ug/L	97
42) Toluene	7.965	91	501485	5.207	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	128031	5.206	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	85404	5.338	ug/L	99
47) Tetrachloroethene	8.550	164	94347	5.503	ug/L	93
48) 2-Hexanone	8.679	43	429874	52.081	ug/L	99
49) Dibromochloromethane	8.804	129	89371	5.460	ug/L	96
50) 1,2-Dibromoethane	8.920	107	79953	5.359	ug/L #	97
51) Chlorobenzene	9.441	112	314642	5.065	ug/L	98
52) Ethylbenzene	9.566	91	533803	5.048	ug/L	99
53) m,p-Xylene	9.688	106	206389	5.160	ug/L	99
54) o-Xylene	10.097	106	200061	5.272	ug/L	95
55) Styrene	10.110	104	334505	5.278	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	98187	5.581	ug/L	98
59) Bromoform	10.287	173	49012	5.537	ug/L	99
60) Isopropylbenzene	10.479	105	532917	4.800	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	73162	4.968	ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	407987	4.780	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	415156	4.791	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	250548	4.898	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	245520	4.911	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	231019	5.038	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	12008	4.769	ug/L #	74
69) 1,3,5-Trichlorobenzene	13.216	180	175641	5.041	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	129416	4.839	ug/L	99
71) Naphthalene	14.084	128	169983	4.420	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	113377	4.897	ug/L	97

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

