

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012524\  
 Data File : VU057656.D  
 Acq On : 25 Jan 2024 09:43  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005132

Quant Time: Jan 25 20:06:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR012324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 25 04:41:48 2024  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	56895	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	52442	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	24256	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	15397	4.912	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	98.200%	
7) Chloroethane-d5	1.914	69	12987	4.944	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	98.800%	
11) 1,1-Dichloroethene-d2	2.563	65	7212	4.893	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	97.800%	
20) 2-Butanone-d5	4.637	46	35838	60.602	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	121.200%	
24) Chloroform-d	5.055	84	34121	5.362	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	107.200%	
26) 1,2-Dichloroethane-d4	5.698	65	16037	5.546	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	111.000%	
32) Benzene-d6	5.724	84	64910	5.277	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	105.600%	
36) 1,2-Dichloropropane-d6	6.685	67	19249	5.188	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	103.800%	
41) Toluene-d8	7.894	98	59219	5.071	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	101.400%	
43) trans-1,3-Dichloroprop...	8.177	79	7616	5.150	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	103.000%	
46) 2-Hexanone-d5	8.631	63	27063	57.361	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	114.720%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	14260	5.734	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	114.600%	
66) 1,2-Dichlorobenzene-d4	12.190	152	18889	5.549	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	111.000%	
Target Compounds						
2) Dichlorodifluoromethane	1.383	85	24151	5.010	ug/L	98
3) Chloromethane	1.518	50	24278	5.033	ug/L	97
5) Vinyl chloride	1.602	62	26436	5.149	ug/L	100
6) Bromomethane	1.856	94	13964	5.217	ug/L	97
8) Chloroethane	1.933	64	16170	5.259	ug/L	91
9) Trichlorofluoromethane	2.136	101	41340	5.406	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	22138	4.980	ug/L	98
12) 1,1-Dichloroethene	2.576	96	20566	4.974	ug/L	99
13) Acetone	2.660	43	28354	50.457	ug/L	99
14) Carbon disulfide	2.788	76	66147	4.934	ug/L	100
15) Methyl Acetate	2.959	43	7469	5.166	ug/L	94
16) Methylene chloride	3.039	84	22747	5.125	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	51043	5.191	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	22114	5.078	ug/L	99
19) 1,1-Dichloroethane	3.862	63	41489	5.159	ug/L	99
21) 2-Butanone	4.718	43	45378	51.482	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	24219	5.173	ug/L	99
23) Bromochloromethane	4.968	128	9906	5.267	ug/L	94
25) Chloroform	5.081	83	43671	5.118	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	26817	5.395	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	39043	5.072	ug/L	99
30) Cyclohexane	5.383	56	37213	5.011	ug/L	99
31) Carbon tetrachloride	5.518	117	33934	4.997	ug/L	97
33) Benzene	5.769	78	94261	5.241	ug/L	100
34) Trichloroethene	6.537	95	25402	5.122	ug/L	95
35) Methylcyclohexane	6.759	83	40133	5.010	ug/L	98
37) 1,2-Dichloropropane	6.785	63	23629	5.251	ug/L	100
38) Bromodichloromethane	7.100	83	30791	5.085	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	35420	5.065	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	110405	51.416	ug/L	99
42) Toluene	7.965	91	101276	5.222	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	28577	5.028	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	15279	5.220	ug/L	99
47) Tetrachloroethene	8.550	164	18519	5.082	ug/L	98
48) 2-Hexanone	8.682	43	78597	52.164	ug/L	97
49) Dibromochloromethane	8.804	129	18932	4.995	ug/L	100
50) 1,2-Dibromoethane	8.920	107	14890	5.242	ug/L #	96
51) Chlorobenzene	9.441	112	61996	5.096	ug/L	98
52) Ethylbenzene	9.566	91	112353	5.141	ug/L	99
53) m,p-Xylene	9.688	106	40691	5.046	ug/L	100
54) o-Xylene	10.094	106	40041	5.094	ug/L	98
55) Styrene	10.110	104	61252	5.093	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	18597	5.237	ug/L	94
59) Bromoform	10.287	173	10186	5.169	ug/L	98
60) Isopropylbenzene	10.479	105	98750	5.196	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	13065	5.367	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	88580	5.230	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	91032	5.371	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	45428	5.237	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	43158	5.198	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	41081	5.307	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	2684	5.857	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	33855	5.317	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	24650	5.284	ug/L	97
71) Naphthalene	14.084	128	35240	5.337	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	19305	5.317	ug/L	98

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

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