

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050724\
 Data File : VU058843.D
 Acq On : 07 May 2024 15:00
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005099

Quant Time: May 08 04:56:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 08 04:54:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	66806	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	63203	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	32363	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	17338	3.299	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.000%
7) Chloroethane-d5	1.904	69	13493	3.408	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.200%
11) 1,1-Dichloroethene-d2	2.557	65	9985	3.774	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.400%
20) 2-Butanone-d5	4.608	46	43197	46.788	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.580%
24) Chloroform-d	5.052	84	55146	5.133	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
26) 1,2-Dichloroethane-d4	5.692	65	26853	5.157	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.200%
32) Benzene-d6	5.718	84	90181	4.483	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
36) 1,2-Dichloropropane-d6	6.682	67	24964	4.160	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.200%
41) Toluene-d8	7.891	98	82198	4.565	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.174	79	10502	4.807	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.624	63	31348	48.425	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.840%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	18078	4.946	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	29931	5.306	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	38615	5.278	ug/L	100
3) Chloromethane	1.512	50	24596	4.294	ug/L	99
5) Vinyl chloride	1.596	62	24140	4.154	ug/L	95
6) Bromomethane	1.846	94	14579	4.240	ug/L	92
8) Chloroethane	1.924	64	13337	4.075	ug/L	96
9) Trichlorofluoromethane	2.129	101	48740	5.359	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	26775	4.939	ug/L	94
12) 1,1-Dichloroethene	2.570	96	23142	4.757	ug/L	97
13) Acetone	2.608	43	28437	44.565	ug/L	99
14) Carbon disulfide	2.785	76	70380	4.253	ug/L	99
15) Methyl Acetate	2.940	43	6780	4.432	ug/L	99
16) Methylene chloride	3.033	84	24391	4.659	ug/L	91
17) Methyl tert-butyl Ether	3.348	73	53624	4.869	ug/L	98
18) trans-1,2-Dichloroethene	3.341	96	24190	4.964	ug/L	92
19) 1,1-Dichloroethane	3.856	63	46419	4.498	ug/L	96
21) 2-Butanone	4.689	43	38451	38.320	ug/L	95
22) cis-1,2-Dichloroethene	4.653	96	25428	4.750	ug/L	95
23) Bromochloromethane	4.962	128	10768	5.138	ug/L	83
25) Chloroform	5.078	83	54051	5.039	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	33527	5.225	ug/L	97
29) 1,1,1-Trichloroethane	5.303	97	53518	5.673	ug/L	98
30) Cyclohexane	5.377	56	36653	4.116	ug/L	87
31) Carbon tetrachloride	5.515	117	48799	5.853	ug/L	100
33) Benzene	5.766	78	102630	4.694	ug/L	100
34) Trichloroethene	6.534	95	30016	5.045	ug/L	98
35) Methylcyclohexane	6.756	83	42453	4.695	ug/L	94
37) 1,2-Dichloropropane	6.782	63	24257	4.247	ug/L #	97
38) Bromodichloromethane	7.097	83	36346	5.136	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	36994	4.678	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	103708	41.136	ug/L	98
42) Toluene	7.962	91	110576	4.893	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	30813	5.061	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	15549	4.731	ug/L	99
47) Tetrachloroethene	8.547	164	24240	5.805	ug/L	96
48) 2-Hexanone	8.676	43	71560	39.957	ug/L #	96
49) Dibromochloromethane	8.804	129	21527	5.593	ug/L	92
50) 1,2-Dibromoethane	8.917	107	14453	4.780	ug/L	100
51) Chlorobenzene	9.441	112	69506	5.048	ug/L	98
52) Ethylbenzene	9.566	91	125748	5.045	ug/L	99
53) m,p-Xylene	9.688	106	47887	5.231	ug/L	97
54) o-Xylene	10.094	106	45972	5.297	ug/L	94
55) Styrene	10.110	104	75615	5.348	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	16785	4.382	ug/L #	96
59) Bromoform	10.287	173	11915	5.257	ug/L	98
60) Isopropylbenzene	10.479	105	130963	5.101	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	13066	4.436	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	109292	5.115	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	107551	5.321	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	58082	5.249	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	55882	5.176	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	49958	5.215	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.994	75	2820	5.540	ug/L #	84
69) 1,3,5-Trichlorobenzene	13.216	180	44322	5.599	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	30273	5.501	ug/L	100
71) Naphthalene	14.084	128	34309	5.154	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	24112	5.529	ug/L	97

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

