

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052324\
 Data File : VU058941.D
 Acq On : 22 May 2024 14:11
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

Quant Time: May 23 06:12:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu May 23 06:11:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	145227	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	145535	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	74922	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	35679	4.056	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.200%
7) Chloroethane-d5	1.911	69	37075	4.663	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.563	65	14966	4.175	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.400%
20) 2-Butanone-d5	4.631	46	127639	55.807	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.620%
24) Chloroform-d	5.058	84	91936	5.175	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	5.695	65	45560	4.990	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.724	84	162419	4.862	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	6.685	67	56378	5.065	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.400%
41) Toluene-d8	7.894	98	139248	4.580	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	8.174	79	18143	4.750	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.000%
46) 2-Hexanone-d5	8.627	63	99809	54.447	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.900%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	50051	5.207	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	53589	4.756	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	62146	5.849	ug/L	96
3) Chloromethane	1.518	50	73294	5.924	ug/L	99
5) Vinyl chloride	1.602	62	78025	5.887	ug/L	99
6) Bromomethane	1.856	94	45579	5.520	ug/L	98
8) Chloroethane	1.933	64	49540	5.881	ug/L	100
9) Trichlorofluoromethane	2.136	101	97562	5.739	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	60042	5.828	ug/L	99
12) 1,1-Dichloroethene	2.576	96	52932	5.851	ug/L	95
13) Acetone	2.644	43	102022	64.538	ug/L	98
14) Carbon disulfide	2.792	76	155878	5.437	ug/L	100
15) Methyl Acetate	2.956	43	23373	5.949	ug/L	100
16) Methylene chloride	3.039	84	68560	5.585	ug/L	93
17) Methyl tert-butyl Ether	3.358	73	133252	5.666	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	55512	5.827	ug/L	98
19) 1,1-Dichloroethane	3.862	63	120392	6.046	ug/L	98
21) 2-Butanone	4.708	43	156699	61.804	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	64128	5.847	ug/L	98
23) Bromochloromethane	4.968	128	28891	5.965	ug/L	94
25) Chloroform	5.081	83	124046	5.961	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	76321	6.003	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	96219	5.913	ug/L	98
30) Cyclohexane	5.383	56	85500	5.557	ug/L	96
31) Carbon tetrachloride	5.518	117	80815	5.954	ug/L	99
33) Benzene	5.769	78	258033	6.032	ug/L	100
34) Trichloroethene	6.538	95	66094	5.841	ug/L	98
35) Methylcyclohexane	6.759	83	90955	5.634	ug/L	100
37) 1,2-Dichloropropane	6.785	63	73088	6.019	ug/L	100
38) Bromodichloromethane	7.100	83	86538	5.945	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	92151	5.568	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	382096	60.880	ug/L	99
42) Toluene	7.965	91	272031	6.097	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	80312	5.948	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	51008	5.971	ug/L	98
47) Tetrachloroethene	8.547	164	47298	5.867	ug/L	97
48) 2-Hexanone	8.679	43	282850	62.537	ug/L	99
49) Dibromochloromethane	8.804	129	53491	5.938	ug/L	99
50) 1,2-Dibromoethane	8.917	107	44394	5.881	ug/L	97
51) Chlorobenzene	9.441	112	165654	5.826	ug/L	99
52) Ethylbenzene	9.563	91	282038	5.855	ug/L	99
53) m,p-Xylene	9.689	106	104743	5.941	ug/L	96
54) o-Xylene	10.094	106	98895	5.736	ug/L	95
55) Styrene	10.110	104	179393	6.184	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	62807	5.799	ug/L	99
59) Bromoform	10.287	173	29805	5.444	ug/L	99
60) Isopropylbenzene	10.479	105	271349	5.657	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	44045	5.709	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	210950	5.518	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	217461	5.737	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	132170	5.663	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	132828	5.703	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	124807	5.722	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	8632	5.562	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	97068	5.547	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	75950	5.259	ug/L	97
71) Naphthalene	14.084	128	108422	4.982	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	69415	5.478	ug/L	98

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

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