

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092623\
 Data File : VU055507.D
 Acq On : 26 Sep 2023 10:15
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005144

Quant Time: Sep 27 04:37:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Sep 25 01:08:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	288395	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	290100	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	162569	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	117360	4.026	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.600%
7) Chloroethane-d5	1.908	69	88733	3.454	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.000%
11) 1,1-Dichloroethene-d2	2.564	65	49054	4.089	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.800%
20) 2-Butanone-d5	4.631	46	197930	37.595	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.200%
24) Chloroform-d	5.059	84	212451	4.030	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.600%
26) 1,2-Dichloroethane-d4	5.699	65	96636	3.811	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.200%
32) Benzene-d6	5.724	84	418653	4.126	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
36) 1,2-Dichloropropane-d6	6.689	67	121930	4.022	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.400%
41) Toluene-d8	7.895	98	388994	4.206	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	8.178	79	47418	4.457	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.631	63	125009	38.628	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.260%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	90738	3.993	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	132055	4.025	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	146446	5.216	ug/L	100
3) Chloromethane	1.515	50	125858	5.096	ug/L	98
5) Vinyl chloride	1.599	62	140980	5.290	ug/L	99
6) Bromomethane	1.853	94	76187	4.501	ug/L	98
8) Chloroethane	1.930	64	77824	4.476	ug/L	99
9) Trichlorofluoromethane	2.133	101	184267	4.987	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	118134	5.254	ug/L	99
12) 1,1-Dichloroethene	2.576	96	106674	5.290	ug/L	86
13) Acetone	2.638	43	155180	51.708	ug/L	98
14) Carbon disulfide	2.789	76	334399	5.517	ug/L	99
15) Methyl Acetate	2.953	43	35757	5.226	ug/L	98
16) Methylene chloride	3.039	84	119428	4.944	ug/L	97
17) Methyl tert-butyl Ether	3.358	73	231424	5.291	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	109673	5.396	ug/L	97
19) 1,1-Dichloroethane	3.863	63	206036	5.482	ug/L	98
21) 2-Butanone	4.708	43	232827	52.896	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	121210	5.144	ug/L	99
23) Bromochloromethane	4.972	128	51922	5.213	ug/L	98
25) Chloroform	5.081	83	213340	5.361	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	121597	4.982	ug/L	97
29) 1,1,1-Trichloroethane	5.313	97	184734	5.586	ug/L	98
30) Cyclohexane	5.383	56	173238	5.722	ug/L	99
31) Carbon tetrachloride	5.522	117	162677	5.739	ug/L	98
33) Benzene	5.769	78	468891	5.616	ug/L	100
34) Trichloroethene	6.538	95	126415	5.352	ug/L	97
35) Methylcyclohexane	6.760	83	186450	5.480	ug/L	98
37) 1,2-Dichloropropane	6.789	63	118911	5.445	ug/L	99
38) Bromodichloromethane	7.104	83	146771	5.736	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	167443	5.745	ug/L	96
40) 4-Methyl-2-pentanone	7.788	43	541997	54.717	ug/L	98
42) Toluene	7.965	91	499501	5.608	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	135821	5.825	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	82997	5.421	ug/L	98
47) Tetrachloroethene	8.550	164	96322	5.685	ug/L	97
48) 2-Hexanone	8.682	43	422536	55.040	ug/L	98
49) Dibromochloromethane	8.808	129	92286	5.750	ug/L	96
50) 1,2-Dibromoethane	8.920	107	76853	5.409	ug/L	96
51) Chlorobenzene	9.444	112	305093	5.348	ug/L	96
52) Ethylbenzene	9.567	91	528288	5.533	ug/L	98
53) m,p-Xylene	9.692	106	206065	5.759	ug/L	99
54) o-Xylene	10.097	106	192954	5.547	ug/L	98
55) Styrene	10.113	104	329531	5.858	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.779	83	94026	5.440	ug/L	97
59) Bromoform	10.287	173	50433	5.788	ug/L	98
60) Isopropylbenzene	10.483	105	533920	5.699	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	68055	5.363	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	428862	5.724	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	416069	5.673	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	253770	5.657	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	249977	5.576	ug/L	100
67) 1,2-Dichlorobenzene	12.210	146	229307	5.576	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	13279	6.037	ug/L	95
69) 1,3,5-Trichlorobenzene	13.219	180	173195	5.607	ug/L	100
70) 1,2,4-trichlorobenzene	13.840	180	130882	5.557	ug/L	97
71) Naphthalene	14.084	128	186429	5.468	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	115907	5.656	ug/L	98

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

