

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110923\
 Data File : VU056133.D
 Acq On : 09 Nov 2023 11:25
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005141

Quant Time: Nov 09 21:30:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 08 20:49:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	402890	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	386700	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	194603	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	109957	4.397	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.907	69	87272	5.142	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.800%
11) 1,1-Dichloroethene-d2	2.563	65	48859	4.435	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.600%
20) 2-Butanone-d5	4.618	46	187531	45.710	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.420%
24) Chloroform-d	5.058	84	224681	4.720	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.698	65	97391	4.646	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.724	84	446730	4.810	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.685	67	131118	4.796	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.000%
41) Toluene-d8	7.894	98	412483	4.847	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
43) trans-1,3-Dichloroprop...	8.177	79	48807	4.670	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.631	63	164936	48.153	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.300%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	91315	4.680	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	135700	4.522	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	179235	5.246	ug/L	99
3) Chloromethane	1.518	50	158420	4.949	ug/L	95
5) Vinyl chloride	1.602	62	169975	5.133	ug/L	97
6) Bromomethane	1.849	94	95514	5.022	ug/L	99
8) Chloroethane	1.927	64	98445	5.483	ug/L	98
9) Trichlorofluoromethane	2.136	101	231699	5.290	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	150471	5.393	ug/L	98
12) 1,1-Dichloroethene	2.576	96	139680	5.394	ug/L	96
13) Acetone	2.621	43	140354	46.389	ug/L	99
14) Carbon disulfide	2.788	76	446714	5.063	ug/L	100
15) Methyl Acetate	2.946	43	39880	4.671	ug/L	99
16) Methylene chloride	3.042	84	148128	4.989	ug/L	98
17) Methyl tert-butyl Ether	3.357	73	295414	5.064	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	144139	5.253	ug/L	95
19) 1,1-Dichloroethane	3.862	63	261130	5.217	ug/L	95
21) 2-Butanone	4.695	43	247878	49.677	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	157038	5.302	ug/L	99
23) Bromochloromethane	4.972	128	66572	5.065	ug/L	95
25) Chloroform	5.084	83	278620	5.224	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	150704	4.992	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	234911	5.303	ug/L	99
30) Cyclohexane	5.383	56	223271	5.394	ug/L	100
31) Carbon tetrachloride	5.518	117	206774	5.256	ug/L	98
33) Benzene	5.769	78	599269	5.412	ug/L	100
34) Trichloroethene	6.541	95	162336	5.367	ug/L	96
35) Methylcyclohexane	6.759	83	241314	5.368	ug/L	99
37) 1,2-Dichloropropane	6.788	63	148268	5.149	ug/L	100
38) Bromodichloromethane	7.103	83	188376	5.239	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	214504	5.278	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	640341	50.842	ug/L	100
42) Toluene	7.965	91	640759	5.489	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	168996	5.136	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	100645	5.113	ug/L	97
47) Tetrachloroethene	8.550	164	123959	5.461	ug/L	97
48) 2-Hexanone	8.682	43	476245	51.935	ug/L	97
49) Dibromochloromethane	8.804	129	116865	5.174	ug/L	95
50) 1,2-Dibromoethane	8.920	107	94757	5.152	ug/L	97
51) Chlorobenzene	9.444	112	397709	5.281	ug/L	99
52) Ethylbenzene	9.566	91	693685	5.453	ug/L	100
53) m,p-Xylene	9.692	106	265536	5.489	ug/L	99
54) o-Xylene	10.097	106	255300	5.505	ug/L	97
55) Styrene	10.113	104	432217	5.697	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	116854	5.052	ug/L	99
59) Bromoform	10.286	173	67314	4.981	ug/L	98
60) Isopropylbenzene	10.483	105	686203	5.439	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	81380	4.845	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	559623	5.469	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	552352	5.503	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	319450	5.346	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	310384	5.253	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	291321	5.290	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	16622	4.691	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	242908	5.427	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	193209	5.441	ug/L	99
71) Naphthalene	14.084	128	271712	5.159	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	164761	5.293	ug/L	99

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

