

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121723\
 Data File : VU056964.D
 Acq On : 17 Dec 2023 10:24
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005090

Quant Time: Dec 18 00:30:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	210008	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	212749	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	101024	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	67751	3.764	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.200%
7) Chloroethane-d5	1.911	69	57658	4.280	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.600%
11) 1,1-Dichloroethene-d2	2.563	65	31803	4.129	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.600%
20) 2-Butanone-d5	4.628	46	197198	55.471	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.940%
24) Chloroform-d	5.058	84	170050	4.989	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.695	65	75353	4.671	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
32) Benzene-d6	5.721	84	284994	4.319	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	6.685	67	96339	4.664	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.894	98	263306	4.464	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	8.177	79	35013	4.371	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.400%
46) 2-Hexanone-d5	8.631	63	164217	54.359	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.720%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	73045	4.888	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	88022	4.432	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	114180	5.189	ug/L	97
3) Chloromethane	1.515	50	123052	5.687	ug/L	96
5) Vinyl chloride	1.602	62	120482	5.607	ug/L	98
6) Bromomethane	1.853	94	58326	4.604	ug/L	98
8) Chloroethane	1.930	64	68197	5.418	ug/L	97
9) Trichlorofluoromethane	2.132	101	172376	5.692	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	102620	5.525	ug/L	98
12) 1,1-Dichloroethene	2.576	96	96888	5.683	ug/L	84
13) Acetone	2.637	43	124403	57.422	ug/L	97
14) Carbon disulfide	2.788	76	298136	5.040	ug/L	99
15) Methyl Acetate	2.952	43	35117	5.955	ug/L	93
16) Methylene chloride	3.039	84	107047	5.763	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	209236	5.535	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	96607	5.588	ug/L	95
19) 1,1-Dichloroethane	3.859	63	192438	5.787	ug/L	99
21) 2-Butanone	4.705	43	201624	55.187	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	103879	5.524	ug/L	97
23) Bromochloromethane	4.968	128	46432	5.897	ug/L	99
25) Chloroform	5.081	83	201494	5.784	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	107569	5.222	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	166785	5.423	ug/L	99
30) Cyclohexane	5.383	56	140113	4.854	ug/L	99
31) Carbon tetrachloride	5.518	117	140018	5.238	ug/L	100
33) Benzene	5.769	78	390757	5.226	ug/L	100
34) Trichloroethene	6.537	95	105857	5.161	ug/L	96
35) Methylcyclohexane	6.759	83	146541	4.842	ug/L	99
37) 1,2-Dichloropropane	6.785	63	109956	5.749	ug/L	100
38) Bromodichloromethane	7.100	83	138469	5.677	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	140701	5.047	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	517902	57.025	ug/L	99
42) Toluene	7.965	91	441257	5.704	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	116084	5.081	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	74566	5.767	ug/L	98
47) Tetrachloroethene	8.550	164	77565	5.404	ug/L	92
48) 2-Hexanone	8.682	43	371898	57.495	ug/L	99
49) Dibromochloromethane	8.804	129	83213	5.599	ug/L	98
50) 1,2-Dibromoethane	8.920	107	68033	5.669	ug/L	98
51) Chlorobenzene	9.444	112	272872	5.534	ug/L	97
52) Ethylbenzene	9.566	91	458492	5.373	ug/L	99
53) m,p-Xylene	9.692	106	171406	5.391	ug/L	96
54) o-Xylene	10.097	106	157779	5.209	ug/L	96
55) Styrene	10.110	104	276839	5.566	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	86454	5.534	ug/L	95
59) Bromoform	10.286	173	44492	5.394	ug/L	98
60) Isopropylbenzene	10.479	105	422482	5.293	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	57828	5.331	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	332016	5.090	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	337462	5.209	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	192745	5.105	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	192303	5.173	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	201203	5.850	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	12489	5.767	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	139130	4.877	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	98126	4.343	ug/L	97
71) Naphthalene	14.084	128	133547	4.039	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	86054	4.487	ug/L	98

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

