

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056851.D
 Acq On : 14 Dec 2023 20:56
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005082

Quant Time: Dec 15 00:56:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 00:49:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	254169	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	252444	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	127509	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	84332	3.871	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.400%
7) Chloroethane-d5	1.907	69	71646	4.395	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.800%
11) 1,1-Dichloroethene-d2	2.563	65	38050	4.082	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.600%
20) 2-Butanone-d5	4.618	46	230830	53.650	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.300%
24) Chloroform-d	5.058	84	205934	4.992	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.695	65	95233	4.878	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.724	84	368310	4.704	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.685	67	118959	4.854	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.000%
41) Toluene-d8	7.894	98	323585	4.624	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	8.177	79	44936	4.728	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.631	63	189215	52.785	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.580%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	92902	5.239	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	116129	4.633	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	139284	5.230	ug/L	97
3) Chloromethane	1.515	50	142275	5.433	ug/L	99
5) Vinyl chloride	1.602	62	143649	5.524	ug/L	98
6) Bromomethane	1.853	94	78308	5.107	ug/L	96
8) Chloroethane	1.930	64	81928	5.378	ug/L	97
9) Trichlorofluoromethane	2.136	101	195050	5.322	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	121680	5.413	ug/L	98
12) 1,1-Dichloroethene	2.576	96	107824	5.225	ug/L	90
13) Acetone	2.628	43	134368	51.246	ug/L	100
14) Carbon disulfide	2.788	76	361376	5.047	ug/L	100
15) Methyl Acetate	2.946	43	37990	5.323	ug/L	95
16) Methylene chloride	3.039	84	122020	5.428	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	232688	5.085	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	114099	5.454	ug/L	97
19) 1,1-Dichloroethane	3.862	63	216113	5.370	ug/L	99
21) 2-Butanone	4.698	43	221100	50.003	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	119373	5.245	ug/L	98
23) Bromochloromethane	4.968	128	51646	5.420	ug/L	91
25) Chloroform	5.081	83	227377	5.393	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	125898	5.049	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	193446	5.301	ug/L	99
30) Cyclohexane	5.383	56	175905	5.136	ug/L	100
31) Carbon tetrachloride	5.518	117	167026	5.266	ug/L	98
33) Benzene	5.769	78	472774	5.329	ug/L	100
34) Trichloroethene	6.538	95	126622	5.203	ug/L	99
35) Methylcyclohexane	6.759	83	183563	5.111	ug/L	98
37) 1,2-Dichloropropane	6.785	63	121219	5.341	ug/L	100
38) Bromodichloromethane	7.100	83	150867	5.213	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	165772	5.012	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	556221	51.614	ug/L	100
42) Toluene	7.965	91	497712	5.422	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	135703	5.006	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	81729	5.327	ug/L	97
47) Tetrachloroethene	8.550	164	90869	5.335	ug/L	97
48) 2-Hexanone	8.679	43	411039	53.554	ug/L	98
49) Dibromochloromethane	8.804	129	92374	5.238	ug/L	99
50) 1,2-Dibromoethane	8.920	107	74935	5.262	ug/L	99
51) Chlorobenzene	9.444	112	308759	5.277	ug/L	98
52) Ethylbenzene	9.566	91	524593	5.180	ug/L	100
53) m,p-Xylene	9.692	106	202191	5.359	ug/L	97
54) o-Xylene	10.097	106	189401	5.269	ug/L	98
55) Styrene	10.113	104	320344	5.428	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.779	83	97447	5.257	ug/L	98
59) Bromoform	10.287	173	52022	4.997	ug/L	99
60) Isopropylbenzene	10.479	105	510609	5.069	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	68188	4.980	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	409843	4.978	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	411778	5.035	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	241344	5.064	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	233014	4.966	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	219846	5.064	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	12692	4.643	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	167950	4.664	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	119902	4.205	ug/L	98
71) Naphthalene	14.084	128	149056	3.572	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	97202	4.015	ug/L	98

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

