

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121823\
 Data File : VU057007.D
 Acq On : 18 Dec 2023 20:48
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005093

Quant Time: Dec 19 01:44:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 19 01:20:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	272607	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	243884	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	127355	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	96777	4.142	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.800%
7) Chloroethane-d5	1.904	69	78682	4.500	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.560	65	43454	4.346	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.000%
20) 2-Butanone-d5	4.615	46	183269	39.715	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.420%
24) Chloroform-d	5.055	84	194773	4.402	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	5.695	65	87961	4.201	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
32) Benzene-d6	5.721	84	367944	4.864	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	6.682	67	112094	4.734	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.600%
41) Toluene-d8	7.891	98	304540	4.504	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	8.174	79	37493	4.083	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.600%
46) 2-Hexanone-d5	8.627	63	146324	42.253	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.500%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	73693	4.302	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	106326	4.247	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	129397	4.530	ug/L	98
3) Chloromethane	1.515	50	138205	4.921	ug/L	98
5) Vinyl chloride	1.599	62	139139	4.988	ug/L	100
6) Bromomethane	1.850	94	60942	3.706	ug/L	100
8) Chloroethane	1.927	64	86130	5.271	ug/L	99
9) Trichlorofluoromethane	2.133	101	194275	4.942	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	118857	4.930	ug/L	98
12) 1,1-Dichloroethene	2.573	96	109443	4.945	ug/L	96
13) Acetone	2.621	43	134688	47.894	ug/L	98
14) Carbon disulfide	2.788	76	338309	4.406	ug/L	100
15) Methyl Acetate	2.946	43	38991	5.093	ug/L	99
16) Methylene chloride	3.039	84	147951	6.136	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	242522	4.942	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	110601	4.929	ug/L	99
19) 1,1-Dichloroethane	3.859	63	220849	5.116	ug/L	97
21) 2-Butanone	4.695	43	226894	47.843	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	123367	5.053	ug/L	97
23) Bromochloromethane	4.968	128	53600	5.244	ug/L	95
25) Chloroform	5.078	83	234865	5.194	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	133424	4.989	ug/L	100
29) 1,1,1-Trichloroethane	5.306	97	202131	5.734	ug/L	98
30) Cyclohexane	5.383	56	169086	5.110	ug/L	99
31) Carbon tetrachloride	5.518	117	171523	5.598	ug/L	99
33) Benzene	5.766	78	485558	5.665	ug/L	100
34) Trichloroethene	6.534	95	129490	5.507	ug/L	97
35) Methylcyclohexane	6.756	83	174908	5.041	ug/L	99
37) 1,2-Dichloropropane	6.782	63	127393	5.810	ug/L	100
38) Bromodichloromethane	7.097	83	150781	5.393	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	154183	4.825	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	525663	50.491	ug/L	98
42) Toluene	7.962	91	466578	5.261	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	130331	4.976	ug/L	95
45) 1,1,2-Trichloroethane	8.393	97	78419	5.290	ug/L	97
47) Tetrachloroethene	8.547	164	82144	4.992	ug/L	98
48) 2-Hexanone	8.679	43	377377	50.893	ug/L	98
49) Dibromochloromethane	8.804	129	88821	5.213	ug/L	98
50) 1,2-Dibromoethane	8.917	107	73390	5.335	ug/L	96
51) Chlorobenzene	9.441	112	287210	5.081	ug/L	99
52) Ethylbenzene	9.566	91	496689	5.077	ug/L	100
53) m,p-Xylene	9.688	106	190282	5.221	ug/L	94
54) o-Xylene	10.094	106	182036	5.242	ug/L	98
55) Styrene	10.110	104	314122	5.509	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	93367	5.214	ug/L	99
59) Bromoform	10.287	173	51796	4.981	ug/L	100
60) Isopropylbenzene	10.479	105	498806	4.957	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	65196	4.768	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	391031	4.755	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	397905	4.872	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	229607	4.824	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	229941	4.906	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	223798	5.161	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.987	75	14171	5.191	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	177608	4.938	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	132219	4.642	ug/L	98
71) Naphthalene	14.084	128	181378	4.352	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	116360	4.812	ug/L	100

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

