

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122623\
 Data File : VU057255.D
 Acq On : 27 Dec 2023 00:27
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

Quant Time: Dec 27 00:58:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 26 23:39:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	166583	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	169339	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	88356	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	97678	6.135	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	122.600%
7) Chloroethane-d5	1.911	69	72051	5.497	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.000%
11) 1,1-Dichloroethene-d2	2.563	65	38144	5.529	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.600%
20) 2-Butanone-d5	4.640	46	132078	52.834	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.660%
24) Chloroform-d	5.055	84	155302	5.051	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
26) 1,2-Dichloroethane-d4	5.695	65	71405	4.873	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	5.721	84	288320	4.964	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
36) 1,2-Dichloropropane-d6	6.682	67	83553	5.055	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.200%
41) Toluene-d8	7.891	98	263769	4.974	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
43) trans-1,3-Dichloroprop...	8.174	79	32974	4.793	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.800%
46) 2-Hexanone-d5	8.630	63	111487	47.592	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.180%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	63432	5.393	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	86091	4.528	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	73355	4.709	ug/L	99
3) Chloromethane	1.518	50	81552	5.974	ug/L	100
5) Vinyl chloride	1.602	62	82302	5.652	ug/L	100
6) Bromomethane	1.856	94	39260	6.165	ug/L	89
8) Chloroethane	1.933	64	52425	5.670	ug/L	99
9) Trichlorofluoromethane	2.136	101	125588	4.694	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	72185	5.211	ug/L	96
12) 1,1-Dichloroethene	2.576	96	65340	5.246	ug/L	95
13) Acetone	2.669	43	74159	49.339	ug/L	91
14) Carbon disulfide	2.788	76	185714	4.739	ug/L	99
15) Methyl Acetate	2.959	43	20960	5.913	ug/L	98
16) Methylene chloride	3.039	84	70439	4.865	ug/L	99
17) Methyl tert-butyl Ether	3.357	73	134379	5.081	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	63069	5.193	ug/L	95
19) 1,1-Dichloroethane	3.862	63	130426	5.411	ug/L	98
21) 2-Butanone	4.721	43	125191	54.653	ug/L	86
22) cis-1,2-Dichloroethene	4.660	96	70496	5.271	ug/L	94
23) Bromochloromethane	4.968	128	30215	5.213	ug/L	88
25) Chloroform	5.078	83	139814	5.143	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	81534	5.083	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	123685	4.596	ug/L	98
30) Cyclohexane	5.383	56	87871	4.829	ug/L	98
31) Carbon tetrachloride	5.518	117	107098	4.524	ug/L	98
33) Benzene	5.769	78	276722	5.155	ug/L	100
34) Trichloroethene	6.537	95	74655	4.756	ug/L	98
35) Methylcyclohexane	6.759	83	93530	4.526	ug/L	96
37) 1,2-Dichloropropane	6.782	63	73560	5.509	ug/L	98
38) Bromodichloromethane	7.100	83	97476	5.045	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	98702	4.914	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	323250	55.685	ug/L	98
42) Toluene	7.965	91	295053	5.186	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	82048	4.786	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	50613	5.494	ug/L	96
47) Tetrachloroethene	8.547	164	53575	4.763	ug/L	98
48) 2-Hexanone	8.679	43	234154	54.824	ug/L	96
49) Dibromochloromethane	8.804	129	58345	4.885	ug/L	99
50) 1,2-Dibromoethane	8.920	107	44205	5.111	ug/L #	98
51) Chlorobenzene	9.441	112	179301	4.842	ug/L	99
52) Ethylbenzene	9.563	91	297390	4.639	ug/L	100
53) m,p-Xylene	9.688	106	110814	4.726	ug/L	97
54) o-Xylene	10.093	106	106485	4.706	ug/L	100
55) Styrene	10.110	104	184752	4.951	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	61062	5.497	ug/L	100
59) Bromoform	10.283	173	32768	4.833	ug/L	97
60) Isopropylbenzene	10.479	105	297140	4.561	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	42514	5.164	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	231212	4.331	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	230121	4.369	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	143683	4.667	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	140875	4.545	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	129289	4.695	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	8980	4.809	ug/L #	79
69) 1,3,5-Trichlorobenzene	13.212	180	98126	4.284	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	71532	3.988	ug/L	98
71) Naphthalene	14.080	128	90356	3.982	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	59529	4.255	ug/L	98

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

