

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121923\
 Data File : VU057077.D
 Acq On : 20 Dec 2023 04:52
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005097

Quant Time: Dec 20 06:59:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 20 06:35:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	190513	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	188649	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	97038	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	72460	4.437	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.800%
7) Chloroethane-d5	1.907	69	61232	5.011	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.200%
11) 1,1-Dichloroethene-d2	2.560	65	32256	4.617	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.400%
20) 2-Butanone-d5	4.615	46	124862	38.717	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.440%
24) Chloroform-d	5.055	84	153333	4.958	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	5.695	65	70607	4.825	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
32) Benzene-d6	5.721	84	274724	4.695	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.682	67	79403	4.336	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.800%
41) Toluene-d8	7.894	98	250864	4.797	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	8.177	79	31759	4.472	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.400%
46) 2-Hexanone-d5	8.627	63	113949	42.538	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.080%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	58584	4.421	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	84629	4.437	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	94429	4.730	ug/L	100
3) Chloromethane	1.515	50	96779	4.930	ug/L	98
5) Vinyl chloride	1.602	62	97069	4.980	ug/L	99
6) Bromomethane	1.853	94	49843	4.337	ug/L	99
8) Chloroethane	1.930	64	61875	5.419	ug/L	97
9) Trichlorofluoromethane	2.136	101	159000	5.788	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	82807	4.914	ug/L	98
12) 1,1-Dichloroethene	2.576	96	74397	4.810	ug/L	95
13) Acetone	2.624	43	83685	42.580	ug/L	100
14) Carbon disulfide	2.788	76	221551	4.128	ug/L	99
15) Methyl Acetate	2.946	43	23092	4.316	ug/L	92
16) Methylene chloride	3.039	84	86882	5.156	ug/L	96
17) Methyl tert-butyl Ether	3.354	73	168918	4.925	ug/L	97
18) trans-1,2-Dichloroethene	3.348	96	75608	4.821	ug/L	99
19) 1,1-Dichloroethane	3.862	63	147819	4.900	ug/L	99
21) 2-Butanone	4.695	43	136395	41.153	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	83015	4.866	ug/L	99
23) Bromochloromethane	4.965	128	35731	5.003	ug/L	92
25) Chloroform	5.081	83	166084	5.256	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	97990	5.243	ug/L #	95
29) 1,1,1-Trichloroethane	5.309	97	154791	5.676	ug/L	97
30) Cyclohexane	5.383	56	109491	4.278	ug/L	96
31) Carbon tetrachloride	5.515	117	128852	5.436	ug/L	98
33) Benzene	5.766	78	326759	4.929	ug/L	100
34) Trichloroethene	6.537	95	87228	4.796	ug/L	99
35) Methylcyclohexane	6.756	83	120371	4.485	ug/L	98
37) 1,2-Dichloropropane	6.782	63	80273	4.733	ug/L	99
38) Bromodichloromethane	7.100	83	112814	5.216	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	116412	4.710	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	362615	45.028	ug/L	97
42) Toluene	7.962	91	350128	5.104	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	99154	4.894	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	58281	5.083	ug/L	98
47) Tetrachloroethene	8.547	164	65058	5.111	ug/L	96
48) 2-Hexanone	8.679	43	258565	45.080	ug/L	99
49) Dibromochloromethane	8.801	129	71039	5.390	ug/L	98
50) 1,2-Dibromoethane	8.917	107	53115	4.991	ug/L #	93
51) Chlorobenzene	9.441	112	215607	4.931	ug/L	99
52) Ethylbenzene	9.566	91	380591	5.029	ug/L	100
53) m,p-Xylene	9.688	106	141995	5.037	ug/L	99
54) o-Xylene	10.093	106	138407	5.153	ug/L	94
55) Styrene	10.110	104	231949	5.259	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	68823	4.968	ug/L #	98
59) Bromoform	10.286	173	40407	5.100	ug/L	98
60) Isopropylbenzene	10.479	105	376497	4.911	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	47579	4.566	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	302726	4.831	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	304612	4.895	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	174584	4.814	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	169027	4.733	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	156904	4.749	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	10561	5.077	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	121625	4.438	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	90567	4.173	ug/L	97
71) Naphthalene	14.080	128	114445	3.604	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	74240	4.030	ug/L	99

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

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