

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061523\
 Data File : VU054513.D
 Acq On : 15 Jun 2023 09:21
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005184

Quant Time: Jun 16 01:30:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 14 00:05:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	277225	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	270522	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	137349	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	77301	4.381	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.600%
7) Chloroethane-d5	1.914	69	89929	5.444	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.800%
11) 1,1-Dichloroethene-d2	2.566	65	36420	4.622	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.400%
20) 2-Butanone-d5	4.628	46	256374	51.684	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.360%
24) Chloroform-d	5.062	84	197110	5.345	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.800%
26) 1,2-Dichloroethane-d4	5.698	65	93079	5.178	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.724	84	375333	4.991	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
36) 1,2-Dichloropropane-d6	6.685	67	129165	5.143	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.800%
41) Toluene-d8	7.894	98	333117	4.991	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
43) trans-1,3-Dichloroprop...	8.177	79	37177	4.257	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.200%
46) 2-Hexanone-d5	8.631	63	174371	47.591	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.180%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	94408	5.041	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	126938	5.479	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	120065	4.635	ug/L	98
3) Chloromethane	1.518	50	138008	4.638	ug/L	100
5) Vinyl chloride	1.602	62	148601	4.865	ug/L	98
6) Bromomethane	1.856	94	79343	4.725	ug/L	97
8) Chloroethane	1.933	64	89298	4.878	ug/L	99
9) Trichlorofluoromethane	2.139	101	194007	5.167	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	110566	5.033	ug/L	97
12) 1,1-Dichloroethene	2.579	96	101357	5.041	ug/L	97
13) Acetone	2.637	43	161824	34.600	ug/L	98
14) Carbon disulfide	2.792	76	286890	4.811	ug/L	99
15) Methyl Acetate	2.952	43	42756	4.933	ug/L	97
16) Methylene chloride	3.046	84	118661	4.197	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	249436	5.026	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	103920	5.006	ug/L	97
19) 1,1-Dichloroethane	3.865	63	221648	5.159	ug/L	99
21) 2-Butanone	4.705	43	270494	44.563	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	119101	5.038	ug/L	98
23) Bromochloromethane	4.972	128	51104	5.195	ug/L	93
25) Chloroform	5.084	83	219476	5.182	ug/L	96

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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005184

Quant Time: Jun 16 01:30:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	125658	5.061	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	182446	4.974	ug/L	98
30) Cyclohexane	5.386	56	177437	4.441	ug/L	98
31) Carbon tetrachloride	5.521	117	159312	5.040	ug/L	100
33) Benzene	5.769	78	469543	4.829	ug/L	100
34) Trichloroethene	6.537	95	121397	4.722	ug/L	97
35) Methylcyclohexane	6.759	83	166831	4.293	ug/L	99
37) 1,2-Dichloropropane	6.788	63	124389	4.732	ug/L	100
38) Bromodichloromethane	7.103	83	150311	5.051	ug/L	100
39) cis-1,3-Dichloropropene	7.605	75	166814	4.648	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	666566	47.515	ug/L	100
42) Toluene	7.965	91	493953	4.933	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	134664	4.623	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	83069	4.967	ug/L	99
47) Tetrachloroethene	8.550	164	89085	4.527	ug/L	96
48) 2-Hexanone	8.682	43	474195	45.366	ug/L	100
49) Dibromochloromethane	8.804	129	93361	5.317	ug/L	98
50) 1,2-Dibromoethane	8.920	107	76162	4.961	ug/L	96
51) Chlorobenzene	9.444	112	302563	4.848	ug/L	99
52) Ethylbenzene	9.566	91	520629	4.761	ug/L	98
53) m,p-Xylene	9.692	106	193883	4.827	ug/L	99
54) o-Xylene	10.097	106	187870	4.836	ug/L	98
55) Styrene	10.113	104	323476	4.961	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	102731	4.836	ug/L	99
59) Bromoform	10.286	173	55598	5.638	ug/L	99
60) Isopropylbenzene	10.479	105	507429	5.050	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	67967	4.897	ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	399609	4.875	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	403612	4.848	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	241836	5.149	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	237640	5.042	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	218644	5.062	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.994	75	15608	5.117	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	166148	4.689	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	134181	4.579	ug/L	98
71) Naphthalene	14.084	128	191134	4.011	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	114350	4.542	ug/L	99

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

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