

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011724\
 Data File : VU057543.D
 Acq On : 17 Jan 2024 13:04
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005123

Quant Time: Jan 18 01:04:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 17 05:27:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	316556	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	315437	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	124437	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	115506	3.596	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.000%
7) Chloroethane-d5	1.914	69	101910	4.078	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.600%
11) 1,1-Dichloroethene-d2	2.560	65	54326	4.000	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.000%
20) 2-Butanone-d5	4.644	46	281462	46.331	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.660%
24) Chloroform-d	5.055	84	236952	4.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
26) 1,2-Dichloroethane-d4	5.695	65	125540	4.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.721	84	467950	4.067	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	6.686	67	151290	4.218	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.400%
41) Toluene-d8	7.894	98	343127	3.533	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.600%
43) trans-1,3-Dichloroprop...	8.177	79	46584	3.736	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.800%
46) 2-Hexanone-d5	8.637	63	215450	47.716	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.440%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	114446	4.723	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	123130	4.927	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	96267	4.610	ug/L	97
3) Chloromethane	1.519	50	109536	4.084	ug/L	98
5) Vinyl chloride	1.602	62	110221	4.615	ug/L	97
6) Bromomethane	1.856	94	51550	3.707	ug/L	95
8) Chloroethane	1.933	64	69110	4.641	ug/L	99
9) Trichlorofluoromethane	2.136	101	157231	4.815	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	106114	5.079	ug/L	99
12) 1,1-Dichloroethene	2.576	96	88304	4.774	ug/L	87
13) Acetone	2.673	43	168496	46.138	ug/L	100
14) Carbon disulfide	2.789	76	232305	4.495	ug/L	99
15) Methyl Acetate	2.959	43	38904	4.712	ug/L	98
16) Methylene chloride	3.043	84	107717	4.307	ug/L	95
17) Methyl tert-butyl Ether	3.358	73	217377	4.738	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	88850	4.840	ug/L	100
19) 1,1-Dichloroethane	3.862	63	182597	4.408	ug/L	100
21) 2-Butanone	4.724	43	230283	44.576	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	91641	4.288	ug/L	96
23) Bromochloromethane	4.969	128	39645	4.321	ug/L	97
25) Chloroform	5.081	83	197946	4.608	ug/L	96

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 MSVOA_U
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011124WMA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	125883	4.866	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	162621	4.179	ug/L	98
30) Cyclohexane	5.383	56	117646	3.717	ug/L	98
31) Carbon tetrachloride	5.518	117	138294	4.303	ug/L	100
33) Benzene	5.769	78	420007	4.532	ug/L	100
34) Trichloroethene	6.538	95	108214	4.445	ug/L	98
35) Methylcyclohexane	6.756	83	139995	4.325	ug/L	98
37) 1,2-Dichloropropane	6.785	63	118177	4.496	ug/L	99
38) Bromodichloromethane	7.100	83	144091	4.553	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	120032	3.455	ug/L	100
40) 4-Methyl-2-pentanone	7.792	43	523126	40.091	ug/L	98
42) Toluene	7.965	91	368784	4.037	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	112754	3.987	ug/L	96
45) 1,1,2-Trichloroethane	8.393	97	70971	4.187	ug/L	96
47) Tetrachloroethene	8.547	164	70483	4.359	ug/L	95
48) 2-Hexanone	8.685	43	465131	48.811	ug/L	96
49) Dibromochloromethane	8.804	129	83902	4.613	ug/L	99
50) 1,2-Dibromoethane	8.920	107	65599	4.696	ug/L #	100
51) Chlorobenzene	9.444	112	266707	4.631	ug/L	99
52) Ethylbenzene	9.566	91	444830	4.735	ug/L	99
53) m,p-Xylene	9.689	106	159007	4.698	ug/L	100
54) o-Xylene	10.097	106	155804	4.798	ug/L	95
55) Styrene	10.110	104	262493	4.909	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	100429	4.887	ug/L	99
59) Bromoform	10.287	173	46516	5.744	ug/L	99
60) Isopropylbenzene	10.480	105	414102	5.722	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	67997	5.840	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	323425	5.668	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	290706	5.089	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	171997	4.882	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	165314	4.727	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	180850	5.542	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	11371	5.091	ug/L	98
69) 1,3,5-Trichlorobenzene	13.213	180	134870	5.711	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	90575	5.664	ug/L	98
71) Naphthalene	14.084	128	120342	5.382	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	76233	5.821	ug/L	99

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

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