

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111523\
 Data File : VU056393.D
 Acq On : 16 Nov 2023 07:24
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005158

Quant Time: Nov 16 07:37:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 16 05:41:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	270727	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	270582	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	136377	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	92409	4.563	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.200%
7) Chloroethane-d5	1.911	69	73222	4.716	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	2.563	65	40854	4.572	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.400%
20) 2-Butanone-d5	4.621	46	221366	54.824	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.640%
24) Chloroform-d	5.058	84	207724	5.303	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.000%
26) 1,2-Dichloroethane-d4	5.698	65	92244	5.097	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
32) Benzene-d6	5.721	84	364939	4.527	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.685	67	122635	5.047	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.000%
41) Toluene-d8	7.894	98	323159	4.539	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
43) trans-1,3-Dichloroprop...	8.174	79	42119	4.520	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.400%
46) 2-Hexanone-d5	8.627	63	205144	56.020	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.040%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	93015	5.358	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	119741	4.753	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	111782	5.211	ug/L	98
3) Chloromethane	1.518	50	124034	5.658	ug/L	98
5) Vinyl chloride	1.602	62	118305	5.602	ug/L	99
6) Bromomethane	1.856	94	60688	5.677	ug/L	97
8) Chloroethane	1.933	64	70514	5.466	ug/L	95
9) Trichlorofluoromethane	2.136	101	167691	5.510	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	96227	5.326	ug/L	99
12) 1,1-Dichloroethene	2.576	96	91253	5.506	ug/L	93
13) Acetone	2.634	43	132035	38.394	ug/L	98
14) Carbon disulfide	2.792	76	269921	5.005	ug/L	98
15) Methyl Acetate	2.949	43	34220	5.592	ug/L	100
16) Methylene chloride	3.042	84	108174	4.932	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	229688	5.704	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	95012	5.572	ug/L	98
19) 1,1-Dichloroethane	3.862	63	193888	5.740	ug/L	99
21) 2-Butanone	4.701	43	213372	47.815	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	109736	5.675	ug/L	98
23) Bromochloromethane	4.968	128	49051	6.163	ug/L	97
25) Chloroform	5.081	83	287692	7.862	ug/L	99

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27) 1,2-Dichloroethane	5.788	62	119195	5.737	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	167962	5.408	ug/L	99
30) Cyclohexane	5.383	56	138687	4.705	ug/L	99
31) Carbon tetrachloride	5.518	117	141918	5.320	ug/L	95
33) Benzene	5.769	78	413560	5.357	ug/L	100
34) Trichloroethene	6.537	95	114498	5.443	ug/L	97
35) Methylcyclohexane	6.759	83	150495	4.955	ug/L	99
37) 1,2-Dichloropropane	6.785	63	113605	5.642	ug/L	99
38) Bromodichloromethane	7.100	83	139727	5.376	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	151163	5.109	ug/L	96
40) 4-Methyl-2-pentanone	7.785	43	552100	55.318	ug/L	99
42) Toluene	7.965	91	426874	5.340	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	124272	5.269	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	78020	5.818	ug/L	95
47) Tetrachloroethene	8.550	164	76289	5.378	ug/L	97
48) 2-Hexanone	8.679	43	428265	55.080	ug/L	99
49) Dibromochloromethane	8.804	129	87232	5.721	ug/L	99
50) 1,2-Dibromoethane	8.917	107	72014	5.689	ug/L	99
51) Chlorobenzene	9.441	112	284758	5.544	ug/L	99
52) Ethylbenzene	9.566	91	493903	5.564	ug/L	100
53) m,p-Xylene	9.688	106	180837	5.542	ug/L	96
54) o-Xylene	10.097	106	179782	5.672	ug/L	99
55) Styrene	10.110	104	305463	5.794	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	97766	5.971	ug/L #	97
59) Bromoform	10.286	173	50999	6.003	ug/L	99
60) Isopropylbenzene	10.479	105	482808	5.489	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	69661	5.953	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	386155	5.347	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	394657	5.537	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	222229	5.555	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	217246	5.413	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	205781	5.606	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	14056	5.624	ug/L	98
69) 1,3,5-Trichlorobenzene	13.212	180	160009	5.312	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	131653	5.366	ug/L	98
71) Naphthalene	14.080	128	191190	5.158	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	107976	5.343	ug/L	100

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

