

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
 Data File : VU057135.D
 Acq On : 21 Dec 2023 14:30
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005102

Quant Time: Dec 21 23:23:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 23:17:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	178216	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	175152	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	88254	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	83186	4.884	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.600%
7) Chloroethane-d5	1.911	69	71159	5.075	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.400%
11) 1,1-Dichloroethene-d2	2.557	65	38272	5.186	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.800%
20) 2-Butanone-d5	4.634	46	138604	51.825	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.640%
24) Chloroform-d	5.052	84	162405	4.937	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.695	65	76431	4.875	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.721	84	299021	4.978	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
36) 1,2-Dichloropropane-d6	6.685	67	84372	4.935	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.891	98	282494	5.151	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.000%
43) trans-1,3-Dichloroprop...	8.174	79	36626	5.147	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.000%
46) 2-Hexanone-d5	8.653	63	139187	57.445	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.880%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	63341	5.207	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	94666	4.985	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	83213	4.993	ug/L	100
3) Chloromethane	1.518	50	75116	5.143	ug/L	100
5) Vinyl chloride	1.602	62	78545	5.041	ug/L	98
6) Bromomethane	1.856	94	28847	4.234	ug/L	97
8) Chloroethane	1.933	64	50024	5.058	ug/L	92
9) Trichlorofluoromethane	2.133	101	140564	4.911	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	75419	5.089	ug/L	97
12) 1,1-Dichloroethene	2.570	96	63163	4.741	ug/L	96
13) Acetone	2.641	43	85784	53.348	ug/L	93
14) Carbon disulfide	2.782	76	185797	4.432	ug/L	100
15) Methyl Acetate	2.952	43	20594	5.431	ug/L	97
16) Methylene chloride	3.036	84	80127	5.173	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	153547	5.427	ug/L	98
18) trans-1,2-Dichloroethene	3.341	96	64695	4.980	ug/L	96
19) 1,1-Dichloroethane	3.859	63	126146	4.892	ug/L	98
21) 2-Butanone	4.711	43	128447	52.414	ug/L	95
22) cis-1,2-Dichloroethene	4.657	96	74239	5.188	ug/L	95
23) Bromochloromethane	4.965	128	30374	4.899	ug/L	97
25) Chloroform	5.078	83	142585	4.903	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	85103	4.959	ug/L	99
29) 1,1,1-Trichloroethane	5.306	97	133298	4.789	ug/L	99
30) Cyclohexane	5.380	56	99078	5.265	ug/L	98
31) Carbon tetrachloride	5.515	117	115845	4.731	ug/L	98
33) Benzene	5.766	78	281081	5.063	ug/L	100
34) Trichloroethene	6.534	95	78110	4.810	ug/L	95
35) Methylcyclohexane	6.756	83	109282	5.112	ug/L	99
37) 1,2-Dichloropropane	6.785	63	70054	5.072	ug/L	98
38) Bromodichloromethane	7.100	83	99946	5.002	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	108946	5.244	ug/L	100
40) 4-Methyl-2-pentanone	7.791	43	338259	56.336	ug/L	99
42) Toluene	7.965	91	304948	5.182	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	90403	5.099	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	48860	5.127	ug/L	97
47) Tetrachloroethene	8.547	164	56294	4.838	ug/L	96
48) 2-Hexanone	8.701	43	259294	58.696	ug/L	96
49) Dibromochloromethane	8.804	129	62107	5.028	ug/L	100
50) 1,2-Dibromoethane	8.920	107	46234	5.168	ug/L #	98
51) Chlorobenzene	9.444	112	198068	5.172	ug/L	98
52) Ethylbenzene	9.566	91	348162	5.251	ug/L	99
53) m,p-Xylene	9.688	106	130021	5.361	ug/L	99
54) o-Xylene	10.097	106	127538	5.450	ug/L	97
55) Styrene	10.113	104	216467	5.608	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.782	83	59187	5.151	ug/L #	99
59) Bromoform	10.290	173	35724	5.275	ug/L	98
60) Isopropylbenzene	10.479	105	356440	5.478	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	43810	5.328	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	294148	5.517	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	298264	5.669	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	160114	5.206	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	157172	5.077	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	141040	5.128	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.994	75	9185	4.925	ug/L	98
69) 1,3,5-Trichlorobenzene	13.212	180	119574	5.226	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	92091	5.140	ug/L	99
71) Naphthalene	14.081	128	124959	5.514	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	73207	5.239	ug/L	99

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

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