

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
 Data File : VU055628.D
 Acq On : 03 Oct 2023 01:25
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005153

Quant Time: Oct 03 06:26:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 03 06:03:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	180139	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	185903	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	105535	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	74408	4.087	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.800%
7) Chloroethane-d5	1.914	69	71247	4.441	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.800%
11) 1,1-Dichloroethene-d2	2.567	65	29981	4.001	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.000%
20) 2-Butanone-d5	4.634	46	178104	54.159	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.320%
24) Chloroform-d	5.062	84	162836	4.945	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.698	65	77314	4.881	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.724	84	300493	4.621	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	6.685	67	97032	4.994	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.894	98	270095	4.557	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.177	79	32509	4.768	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.400%
46) 2-Hexanone-d5	8.634	63	109305	52.706	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.420%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	75889	5.212	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	95378	4.478	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	79345	4.524	ug/L	96
3) Chloromethane	1.518	50	80246	5.201	ug/L	99
5) Vinyl chloride	1.602	62	89644	5.386	ug/L	98
6) Bromomethane	1.859	94	47795	4.521	ug/L	97
8) Chloroethane	1.933	64	56961	5.244	ug/L	99
9) Trichlorofluoromethane	2.139	101	126939	5.500	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	65660	4.675	ug/L	99
12) 1,1-Dichloroethene	2.579	96	60774	4.825	ug/L	94
13) Acetone	2.647	43	85165	45.432	ug/L	98
14) Carbon disulfide	2.792	76	184005	4.860	ug/L	99
15) Methyl Acetate	2.956	43	20001	4.680	ug/L	98
16) Methylene chloride	3.042	84	84138	5.576	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	136737	5.005	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	62809	4.948	ug/L	98
19) 1,1-Dichloroethane	3.866	63	124155	5.289	ug/L	98
21) 2-Butanone	4.718	43	139212	50.634	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	78016	5.301	ug/L	95
23) Bromochloromethane	4.972	128	31003	4.984	ug/L	92
25) Chloroform	5.084	83	130060	5.232	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	81166	5.324	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	111814	5.276	ug/L	99
30) Cyclohexane	5.386	56	93895	4.840	ug/L	99
31) Carbon tetrachloride	5.521	117	93692	5.158	ug/L	96
33) Benzene	5.772	78	280021	5.233	ug/L	100
34) Trichloroethene	6.541	95	73773	4.874	ug/L	97
35) Methylcyclohexane	6.759	83	102988	4.724	ug/L	99
37) 1,2-Dichloropropane	6.788	63	71791	5.130	ug/L	100
38) Bromodichloromethane	7.103	83	90348	5.510	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	94437	5.056	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	334087	52.632	ug/L	99
42) Toluene	7.968	91	295555	5.179	ug/L	98
44) trans-1,3-Dichloropropene	8.209	75	79095	5.293	ug/L	100
45) 1,1,2-Trichloroethane	8.399	97	51042	5.202	ug/L	99
47) Tetrachloroethene	8.550	164	53121	4.893	ug/L	97
48) 2-Hexanone	8.682	43	262767	53.413	ug/L	96
49) Dibromochloromethane	8.807	129	54629	5.311	ug/L	98
50) 1,2-Dibromoethane	8.920	107	48241	5.298	ug/L #	95
51) Chlorobenzene	9.444	112	187375	5.126	ug/L	97
52) Ethylbenzene	9.566	91	309796	5.063	ug/L	98
53) m,p-Xylene	9.692	106	115018	5.016	ug/L	98
54) o-Xylene	10.097	106	111270	4.991	ug/L	96
55) Styrene	10.113	104	189026	5.244	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	58326	5.266	ug/L	96
59) Bromoform	10.290	173	29239	5.169	ug/L	98
60) Isopropylbenzene	10.483	105	297218	4.887	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	40273	4.888	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	227017	4.667	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	222815	4.680	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	150881	5.181	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	191886	6.593	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	128272	4.804	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.997	75	6910	4.839	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	90493	4.513	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	73008	4.775	ug/L	98
71) Naphthalene	14.084	128	95727	4.325	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	58375	4.388	ug/L	98

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

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