

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092723\
 Data File : VU055546.D
 Acq On : 27 Sep 2023 12:43
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005147

Quant Time: Sep 27 23:30:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 06:19:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	247031	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	246419	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	143104	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	109760	4.396	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.911	69	89747	4.079	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.600%
11) 1,1-Dichloroethene-d2	2.564	65	44318	4.312	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.200%
20) 2-Butanone-d5	4.631	46	212297	47.076	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.160%
24) Chloroform-d	5.059	84	204527	4.529	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	5.699	65	95206	4.383	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
32) Benzene-d6	5.724	84	395939	4.594	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	6.686	67	120692	4.687	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.895	98	362126	4.610	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	8.178	79	44696	4.946	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.000%
46) 2-Hexanone-d5	8.631	63	128718	46.825	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.640%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	91953	4.764	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	127678	4.420	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	100764	4.190	ug/L	99
3) Chloromethane	1.516	50	99922	4.723	ug/L	99
5) Vinyl chloride	1.602	62	107407	4.705	ug/L	99
6) Bromomethane	1.856	94	60571	4.178	ug/L	98
8) Chloroethane	1.933	64	64216	4.311	ug/L	96
9) Trichlorofluoromethane	2.136	101	145453	4.595	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.580	101	88007	4.569	ug/L	100
12) 1,1-Dichloroethene	2.577	96	78046	4.519	ug/L	92
13) Acetone	2.641	43	126436	49.185	ug/L	99
14) Carbon disulfide	2.792	76	241007	4.642	ug/L	100
15) Methyl Acetate	2.956	43	28050	4.786	ug/L	100
16) Methylene chloride	3.043	84	100316	4.848	ug/L	99
17) Methyl tert-butyl Ether	3.358	73	175117	4.674	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	79761	4.582	ug/L	97
19) 1,1-Dichloroethane	3.866	63	155617	4.834	ug/L	100
21) 2-Butanone	4.708	43	191365	50.756	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	90485	4.483	ug/L	99
23) Bromochloromethane	4.972	128	39266	4.603	ug/L	97
25) Chloroform	5.084	83	163733	4.803	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	97075	4.643	ug/L	97
29) 1,1,1-Trichloroethane	5.313	97	137958	4.911	ug/L	98
30) Cyclohexane	5.387	56	124914	4.858	ug/L	99
31) Carbon tetrachloride	5.522	117	117407	4.876	ug/L	97
33) Benzene	5.773	78	346483	4.885	ug/L	100
34) Trichloroethene	6.541	95	93303	4.651	ug/L	98
35) Methylcyclohexane	6.760	83	136572	4.726	ug/L	99
37) 1,2-Dichloropropane	6.789	63	89730	4.838	ug/L	100
38) Bromodichloromethane	7.104	83	110216	5.071	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	128988	5.210	ug/L	97
40) 4-Methyl-2-pentanone	7.789	43	434479	51.638	ug/L	99
42) Toluene	7.965	91	371004	4.904	ug/L	99
44) trans-1,3-Dichloropropene	8.207	75	104149	5.258	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	63609	4.891	ug/L	97
47) Tetrachloroethene	8.551	164	70289	4.884	ug/L	99
48) 2-Hexanone	8.682	43	337850	51.810	ug/L	98
49) Dibromochloromethane	8.808	129	69127	5.070	ug/L	96
50) 1,2-Dibromoethane	8.924	107	61815	5.122	ug/L #	95
51) Chlorobenzene	9.444	112	232141	4.791	ug/L	97
52) Ethylbenzene	9.567	91	394163	4.860	ug/L	97
53) m,p-Xylene	9.692	106	154687	5.089	ug/L	99
54) o-Xylene	10.097	106	145728	4.932	ug/L	99
55) Styrene	10.113	104	246227	5.153	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.779	83	75154	5.119	ug/L	99
59) Bromoform	10.287	173	38559	5.027	ug/L	98
60) Isopropylbenzene	10.483	105	398494	4.832	ug/L	99
61) 1,2,3-Trichloropropane	10.821	75	53951	4.829	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	311122	4.717	ug/L	100
63) 1,2,4-Trimethylbenzene	11.464	105	310857	4.815	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	195251	4.945	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	192639	4.881	ug/L	97
67) 1,2-Dichlorobenzene	12.210	146	176480	4.875	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	9453	4.882	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	127348	4.683	ug/L	99
70) 1,2,4-trichlorobenzene	13.837	180	106225	5.124	ug/L	99
71) Naphthalene	14.084	128	160679	5.354	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	94657	5.247	ug/L	99

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

