

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121923\
 Data File : VU057056.D
 Acq On : 19 Dec 2023 20:00
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005096

Quant Time: Dec 20 05:01:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 20 04:54:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	207280	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	205797	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	103434	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	80209	4.514	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.200%
7) Chloroethane-d5	1.911	69	60334	4.538	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.800%
11) 1,1-Dichloroethene-d2	2.563	65	34414	4.527	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	4.621	46	137455	39.174	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.340%
24) Chloroform-d	5.055	84	157381	4.678	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.695	65	71942	4.519	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	5.721	84	286540	4.489	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	6.685	67	84524	4.231	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.600%
41) Toluene-d8	7.891	98	265327	4.651	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
43) trans-1,3-Dichloroprop...	8.174	79	35072	4.527	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.627	63	122613	41.958	ug/L	-0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.920%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	62986	4.357	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	87946	4.325	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	101633	4.679	ug/L	97
3) Chloromethane	1.515	50	104265	4.882	ug/L	93
5) Vinyl chloride	1.602	62	108217	5.103	ug/L	99
6) Bromomethane	1.853	94	58724	4.696	ug/L	94
8) Chloroethane	1.930	64	62455	5.027	ug/L	97
9) Trichlorofluoromethane	2.136	101	170024	5.688	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	88431	4.824	ug/L	97
12) 1,1-Dichloroethene	2.576	96	79096	4.700	ug/L	94
13) Acetone	2.631	43	94665	44.271	ug/L	96
14) Carbon disulfide	2.788	76	241370	4.134	ug/L	99
15) Methyl Acetate	2.946	43	25390	4.362	ug/L	99
16) Methylene chloride	3.039	84	88618	4.833	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	182999	4.904	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	80929	4.743	ug/L	97
19) 1,1-Dichloroethane	3.862	63	157937	4.812	ug/L	99
21) 2-Butanone	4.698	43	153995	42.705	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	89172	4.804	ug/L	98
23) Bromochloromethane	4.968	128	38195	4.915	ug/L	94
25) Chloroform	5.081	83	176177	5.124	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	103418	5.086	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	160924	5.409	ug/L	99
30) Cyclohexane	5.380	56	120762	4.325	ug/L	94
31) Carbon tetrachloride	5.518	117	137996	5.337	ug/L	99
33) Benzene	5.766	78	354863	4.906	ug/L	100
34) Trichloroethene	6.537	95	98017	4.940	ug/L	98
35) Methylcyclohexane	6.759	83	130425	4.455	ug/L	97
37) 1,2-Dichloropropane	6.782	63	90920	4.914	ug/L	100
38) Bromodichloromethane	7.097	83	121583	5.153	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	128856	4.779	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	395505	45.019	ug/L	98
42) Toluene	7.962	91	377717	5.047	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	106882	4.836	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	60860	4.866	ug/L	97
47) Tetrachloroethene	8.547	164	68838	4.958	ug/L	97
48) 2-Hexanone	8.679	43	286350	45.764	ug/L	98
49) Dibromochloromethane	8.801	129	73413	5.106	ug/L	99
50) 1,2-Dibromoethane	8.917	107	58470	5.037	ug/L	98
51) Chlorobenzene	9.441	112	235394	4.935	ug/L	97
52) Ethylbenzene	9.566	91	410441	4.972	ug/L	100
53) m,p-Xylene	9.688	106	156952	5.103	ug/L	94
54) o-Xylene	10.097	106	145855	4.978	ug/L	99
55) Styrene	10.110	104	254182	5.283	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	69908	4.626	ug/L #	96
59) Bromoform	10.283	173	42071	4.982	ug/L	98
60) Isopropylbenzene	10.479	105	404679	4.952	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	51255	4.615	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	331605	4.965	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	332079	5.006	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	185343	4.794	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	182009	4.782	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	166629	4.732	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	11097	5.005	ug/L	91
69) 1,3,5-Trichlorobenzene	13.212	180	131493	4.502	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	96943	4.191	ug/L	98
71) Naphthalene	14.080	128	123866	3.659	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	79982	4.073	ug/L	99

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

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