

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053873.D
 Acq On : 25 Apr 2023 04:11
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005159

Quant Time: Apr 25 06:25:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 06:22:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	141383	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	135812	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	73723	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	42264	4.908	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.200%
7) Chloroethane-d5	1.916	69	36007	4.982	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.600%
11) 1,1-Dichloroethene-d2	2.568	65	17198	4.853	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.000%
20) 2-Butanone-d5	4.636	46	82003	51.991	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.980%
24) Chloroform-d	5.060	84	85132	5.246	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.000%
26) 1,2-Dichloroethane-d4	5.700	65	39611	5.282	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
32) Benzene-d6	5.723	84	164030	5.127	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
36) 1,2-Dichloropropane-d6	6.687	67	49688	5.134	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.600%
41) Toluene-d8	7.893	98	156508	5.242	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
43) trans-1,3-Dichloroprop...	8.176	79	18044	4.740	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.800%
46) 2-Hexanone-d5	8.629	63	71039	52.733	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.460%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	38750	4.954	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	56821	4.805	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	55102	5.253	ug/L	97
3) Chloromethane	1.520	50	51924	5.098	ug/L	96
5) Vinyl chloride	1.604	62	61734	5.253	ug/L	98
6) Bromomethane	1.858	94	40052	5.237	ug/L	94
8) Chloroethane	1.935	64	37364	5.094	ug/L	97
9) Trichlorofluoromethane	2.141	101	90307	5.205	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	52622	5.219	ug/L	99
12) 1,1-Dichloroethene	2.581	96	46428	5.221	ug/L	96
13) Acetone	2.652	43	57132	44.667	ug/L	96
14) Carbon disulfide	2.793	76	120770	4.956	ug/L	98
15) Methyl Acetate	2.954	43	13713	4.968	ug/L	97
16) Methylene chloride	3.044	84	52454	4.322	ug/L	98
17) Methyl tert-butyl Ether	3.359	73	102571	5.324	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	46433	5.167	ug/L	95
19) 1,1-Dichloroethane	3.867	63	86549	5.322	ug/L	99
21) 2-Butanone	4.719	43	92605	52.303	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	53380	5.266	ug/L	98
23) Bromochloromethane	4.967	128	24427	5.415	ug/L	97
25) Chloroform	5.083	83	96057	5.439	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	53150	5.250	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	80241	5.256	ug/L	100
30) Cyclohexane	5.385	56	69942	5.099	ug/L	99
31) Carbon tetrachloride	5.520	117	69650	5.248	ug/L	98
33) Benzene	5.771	78	199974	5.224	ug/L	100
34) Trichloroethene	6.539	95	54198	5.195	ug/L	96
35) Methylcyclohexane	6.761	83	82853	5.142	ug/L	99
37) 1,2-Dichloropropane	6.787	63	50572	5.325	ug/L	99
38) Bromodichloromethane	7.102	83	60529	5.098	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	71992	5.027	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	224910	52.495	ug/L	99
42) Toluene	7.964	91	216498	5.333	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	59066	5.100	ug/L	95
45) 1,1,2-Trichloroethane	8.395	97	38124	5.355	ug/L	97
47) Tetrachloroethene	8.549	164	43556	5.268	ug/L	97
48) 2-Hexanone	8.681	43	161975	49.739	ug/L	98
49) Dibromochloromethane	8.806	129	38338	5.086	ug/L	96
50) 1,2-Dibromoethane	8.919	107	35230	5.350	ug/L	99
51) Chlorobenzene	9.443	112	141494	5.134	ug/L	98
52) Ethylbenzene	9.565	91	230795	5.177	ug/L	100
53) m,p-Xylene	9.690	106	89868	5.261	ug/L	97
54) o-Xylene	10.095	106	86538	5.250	ug/L	95
55) Styrene	10.108	104	144739	5.367	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	44283	5.217	ug/L	97
59) Bromoform	10.288	173	20414	4.870	ug/L	94
60) Isopropylbenzene	10.478	105	227270	5.127	ug/L	98
61) 1,2,3-Trichloropropane	10.819	75	29588	5.205	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	184736	5.126	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	189736	5.203	ug/L	97
64) 1,3-Dichlorobenzene	11.742	146	109719	4.953	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	109268	4.881	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	102163	4.993	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	5775	4.929	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	75633	4.768	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	62411	4.322	ug/L	99
71) Naphthalene	14.082	128	99892	3.913	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	54757	4.250	ug/L	98

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

