

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042523\
 Data File : VU053875.D
 Acq On : 25 Apr 2023 10:38
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005160

Quant Time: Apr 26 05:06:29 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	142325	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	134337	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	72072	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	40649	4.689	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.800%
7) Chloroethane-d5	1.916	69	34674	4.766	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.400%
11) 1,1-Dichloroethene-d2	2.565	65	17109	4.796	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.000%
20) 2-Butanone-d5	4.632	46	74805	47.113	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.220%
24) Chloroform-d	5.060	84	79850	4.888	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	5.700	65	34470	4.566	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	5.726	84	154217	4.873	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
36) 1,2-Dichloropropane-d6	6.687	67	46876	4.896	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.000%
41) Toluene-d8	7.896	98	144802	4.903	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
43) trans-1,3-Dichloroprop...	8.179	79	17540	4.658	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.200%
46) 2-Hexanone-d5	8.632	63	60055	45.069	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.140%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	34088	4.406	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	12.188	152	52050	4.503	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	52867	5.007	ug/L	96
3) Chloromethane	1.520	50	53518	5.220	ug/L	99
5) Vinyl chloride	1.604	62	61697	5.215	ug/L	95
6) Bromomethane	1.861	94	38891	5.052	ug/L	90
8) Chloroethane	1.935	64	38419	5.203	ug/L	95
9) Trichlorofluoromethane	2.137	101	88810	5.085	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	53408	5.262	ug/L	98
12) 1,1-Dichloroethene	2.581	96	45791	5.115	ug/L	93
13) Acetone	2.642	43	64190	49.853	ug/L	98
14) Carbon disulfide	2.793	76	117605	4.794	ug/L	100
15) Methyl Acetate	2.954	43	13839	4.980	ug/L	99
16) Methylene chloride	3.044	84	56977	4.664	ug/L	96
17) Methyl tert-butyl Ether	3.359	73	99152	5.113	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	46300	5.118	ug/L	95
19) 1,1-Dichloroethane	3.867	63	86304	5.272	ug/L	97
21) 2-Butanone	4.706	43	90750	50.916	ug/L	97
22) cis-1,2-Dichloroethene	4.661	96	53389	5.232	ug/L	95
23) Bromochloromethane	4.973	128	23730	5.225	ug/L	96
25) Chloroform	5.083	83	95068	5.347	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	53909	5.289	ug/L	95
29) 1,1,1-Trichloroethane	5.311	97	80863	5.355	ug/L	98
30) Cyclohexane	5.385	56	69022	5.087	ug/L	100
31) Carbon tetrachloride	5.520	117	69852	5.321	ug/L	95
33) Benzene	5.771	78	200321	5.290	ug/L	100
34) Trichloroethene	6.539	95	55863	5.414	ug/L	98
35) Methylcyclohexane	6.761	83	82260	5.161	ug/L	100
37) 1,2-Dichloropropane	6.787	63	52544	5.593	ug/L #	97
38) Bromodichloromethane	7.102	83	60539	5.155	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	73643	5.198	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	214326	50.574	ug/L	99
42) Toluene	7.967	91	212686	5.297	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	59430	5.187	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	36903	5.241	ug/L	97
47) Tetrachloroethene	8.549	164	43283	5.292	ug/L	98
48) 2-Hexanone	8.681	43	159699	49.579	ug/L	99
49) Dibromochloromethane	8.806	129	38982	5.228	ug/L	98
50) 1,2-Dibromoethane	8.922	107	35391	5.433	ug/L #	96
51) Chlorobenzene	9.446	112	139557	5.119	ug/L	99
52) Ethylbenzene	9.568	91	231750	5.256	ug/L	98
53) m,p-Xylene	9.690	106	91466	5.413	ug/L	95
54) o-Xylene	10.098	106	86460	5.303	ug/L	94
55) Styrene	10.111	104	144141	5.404	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	41894	4.990	ug/L	98
59) Bromoform	10.288	173	20203	4.930	ug/L	99
60) Isopropylbenzene	10.481	105	233480	5.387	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	29160	5.247	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	189316	5.374	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	191780	5.380	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	112927	5.214	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	110789	5.063	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	101332	5.066	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	5618	4.905	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	79156	5.104	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	62042	4.395	ug/L	97
71) Naphthalene	14.082	128	96512	3.868	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	53164	4.221	ug/L	98

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

