

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020523\
 Data File : VU052967.D
 Acq On : 05 Feb 2023 21:01
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005133

Quant Time: Feb 05 22:01:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Feb 05 21:58:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	138968	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	135804	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	73022	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	39440	3.230	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.600%
7) Chloroethane-d5	1.912	69	45475	4.572	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.565	65	18550	3.450	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.000%
20) 2-Butanone-d5	4.632	46	125811	38.540	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.080%
24) Chloroform-d	5.057	84	103179	4.531	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	5.697	65	52562	4.494	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.800%
32) Benzene-d6	5.722	84	192099	4.364	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
36) 1,2-Dichloropropane-d6	6.684	67	59562	4.061	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.200%
41) Toluene-d8	7.893	98	171230	4.412	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	8.176	79	21780	3.993	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.800%
46) 2-Hexanone-d5	8.629	63	94434	41.676	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.360%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	53481	4.762	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	12.188	152	61554	4.631	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	52177	3.495	ug/L	100
3) Chloromethane	1.517	50	57388	3.165	ug/L	98
5) Vinyl chloride	1.604	62	63607	3.667	ug/L	97
6) Bromomethane	1.858	94	44903	4.987	ug/L	98
8) Chloroethane	1.935	64	46567	4.415	ug/L	99
9) Trichlorofluoromethane	2.137	101	98016	4.793	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	49038	4.076	ug/L	95
12) 1,1-Dichloroethene	2.578	96	50082	4.157	ug/L	84
13) Acetone	2.649	43	87456	37.355	ug/L	95
14) Carbon disulfide	2.790	76	138350	3.323	ug/L	99
15) Methyl Acetate	2.954	43	21716	3.869	ug/L #	89
16) Methylene chloride	3.041	84	67128	4.187	ug/L	82
17) Methyl tert-butyl Ether	3.359	73	124476	4.669	ug/L	94
18) trans-1,2-Dichloroethene	3.350	96	51981	4.230	ug/L	85
19) 1,1-Dichloroethane	3.864	63	105585	4.138	ug/L	99
21) 2-Butanone	4.713	43	135037	35.830	ug/L	84
22) cis-1,2-Dichloroethene	4.661	96	60445	4.581	ug/L	91
23) Bromochloromethane	4.970	128	30851	5.523	ug/L #	69
25) Chloroform	5.083	83	115213	4.593	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	70444	4.634	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	96663	4.537	ug/L	95
30) Cyclohexane	5.385	56	64255	2.997	ug/L	86
31) Carbon tetrachloride	5.520	117	81300	4.870	ug/L	98
33) Benzene	5.771	78	237418	4.417	ug/L	100
34) Trichloroethene	6.539	95	61754	4.857	ug/L	89
35) Methylcyclohexane	6.761	83	68269	3.252	ug/L	91
37) 1,2-Dichloropropane	6.787	63	61558	4.267	ug/L #	96
38) Bromodichloromethane	7.102	83	81554	4.802	ug/L	96
39) cis-1,3-Dichloropropene	7.603	75	75169	4.105	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	326246	39.544	ug/L #	90
42) Toluene	7.963	91	241858	4.517	ug/L	96
44) trans-1,3-Dichloropropene	8.205	75	66974	4.237	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	46954	5.175	ug/L	95
47) Tetrachloroethene	8.549	164	43799	4.675	ug/L	93
48) 2-Hexanone	8.681	43	267913	44.352	ug/L #	91
49) Dibromochloromethane	8.803	129	57656	5.496	ug/L	100
50) 1,2-Dibromoethane	8.918	107	44801	5.371	ug/L #	97
51) Chlorobenzene	9.443	112	154493	4.632	ug/L	96
52) Ethylbenzene	9.565	91	234754	4.304	ug/L	99
53) m,p-Xylene	9.690	106	95172	4.606	ug/L	92
54) o-Xylene	10.095	106	93746	4.745	ug/L	95
55) Styrene	10.111	104	163143	4.842	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	59416	5.013	ug/L	97
59) Bromoform	10.285	173	32905	5.795	ug/L	98
60) Isopropylbenzene	10.481	105	232739	4.497	ug/L	97
61) 1,2,3-Trichloropropane	10.819	75	40959	4.826	ug/L	93
62) 1,3,5-Trimethylbenzene	11.082	105	179792	4.355	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	180856	4.349	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	120653	4.900	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	120717	4.806	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	117077	5.054	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	8658	4.423	ug/L #	63
69) 1,3,5-Trichlorobenzene	13.214	180	83282	4.554	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	65136	4.441	ug/L	98
71) Naphthalene	14.082	128	103649	4.070	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	63606	4.733	ug/L	99

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

