

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011322\
 Data File : VU046751.D
 Acq On : 13 Jan 2022 10:18
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005148

Quant Time: Jan 13 23:12:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jan 10 00:25:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	71106	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	72619	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	43454	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	19842	3.543	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.800%
7) Chloroethane-d5	1.919	69	18492	4.193	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.800%
11) 1,1-Dichloroethene-d2	2.572	65	8876	3.758	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.200%
20) 2-Butanone-d5	4.662	46	101471	62.459	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.920%
24) Chloroform-d	5.070	84	50017	4.874	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	5.706	65	28831	4.914	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	5.729	84	89333	4.413	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	6.694	67	28743	4.725	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.600%
41) Toluene-d8	7.899	98	80537	4.383	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
43) trans-1,3-Dichloroprop...	8.182	79	13025	4.630	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.600%
46) 2-Hexanone-d5	8.639	63	94249	57.060	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.120%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	34609	5.543	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	35475	4.432	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	49101	4.513	ug/L	99
3) Chloromethane	1.523	50	34596	3.692	ug/L	97
5) Vinyl chloride	1.607	62	37470	4.062	ug/L	99
6) Bromomethane	1.864	94	23575	4.245	ug/L	99
8) Chloroethane	1.941	64	23752	4.386	ug/L	98
9) Trichlorofluoromethane	2.144	101	61487	5.096	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	35416	5.765	ug/L	96
12) 1,1-Dichloroethene	2.584	96	30034	4.802	ug/L #	73
13) Acetone	2.681	43	90821	59.627	ug/L	100
14) Carbon disulfide	2.800	76	62957	3.082	ug/L	99
15) Methyl Acetate	2.970	43	16943	5.507	ug/L #	87
16) Methylene chloride	3.051	84	45827	6.021	ug/L	91
17) Methyl tert-butyl Ether	3.366	73	99912	5.476	ug/L	97
18) trans-1,2-Dichloroethene	3.359	96	31041	4.652	ug/L	93
19) 1,1-Dichloroethane	3.877	63	63560	5.170	ug/L	98
21) 2-Butanone	4.732	43	138621	59.986	ug/L	92
22) cis-1,2-Dichloroethene	4.671	96	39116	5.363	ug/L	95
23) Bromochloromethane	4.980	128	19453	5.359	ug/L	88
25) Chloroform	5.092	83	73082	5.503	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	47356	4.995	ug/L	99
29) 1,1,1-Trichloroethane	5.321	97	62748	5.226	ug/L	97
30) Cyclohexane	5.395	56	44168	4.447	ug/L	92
31) Carbon tetrachloride	5.530	117	51900	5.151	ug/L	98
33) Benzene	5.777	78	140842	4.881	ug/L	100
34) Trichloroethene	6.546	95	37009	4.866	ug/L	95
35) Methylcyclohexane	6.768	83	51756	4.826	ug/L	94
37) 1,2-Dichloropropane	6.793	63	38821	5.275	ug/L	99
38) Bromodichloromethane	7.108	83	54387	5.339	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	57722	5.181	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	307399	55.640	ug/L #	94
42) Toluene	7.973	91	154652	5.222	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	54138	5.244	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	34997	5.514	ug/L	98
47) Tetrachloroethene	8.555	164	28997	5.388	ug/L	92
48) 2-Hexanone	8.690	43	233362	56.559	ug/L #	95
49) Dibromochloromethane	8.812	129	42082	5.748	ug/L	93
50) 1,2-Dibromoethane	8.928	107	32745	5.344	ug/L #	99
51) Chlorobenzene	9.449	112	103942	5.491	ug/L	97
52) Ethylbenzene	9.571	91	167589	5.467	ug/L	98
53) m,p-Xylene	9.697	106	67452	5.744	ug/L	97
54) o-Xylene	10.102	106	66125	5.860	ug/L	98
55) Styrene	10.115	104	118667	6.063	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.783	83	49102	5.920	ug/L	95
59) Bromoform	10.295	173	26617	5.302	ug/L	99
60) Isopropylbenzene	10.488	105	179281	5.350	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	36283	5.027	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	145004	5.203	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	152237	5.424	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	91405	5.611	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	90655	5.436	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	91965	5.628	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.999	75	8271	4.951	ug/L	87
69) 1,3,5-Trichlorobenzene	13.221	180	72514	5.882	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	60271	5.772	ug/L	98
71) Naphthalene	14.089	128	122860	5.298	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	58485	5.657	ug/L	97

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

