

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
 Data File : VU052581.D
 Acq On : 28 Dec 2022 09:36
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005120

Quant Time: Dec 29 00:21:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 28 01:18:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	160348	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	151799	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	79378	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	53206	3.275	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.600%
7) Chloroethane-d5	1.916	69	51720	3.692	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.800%
11) 1,1-Dichloroethene-d2	2.568	65	24459	3.499	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.000%
20) 2-Butanone-d5	4.636	46	292886	58.140	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.280%
24) Chloroform-d	5.060	84	120152	4.384	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	5.700	65	71138	4.475	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
32) Benzene-d6	5.726	84	231808	4.454	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	6.687	67	81192	4.532	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.600%
41) Toluene-d8	7.896	98	200150	4.581	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	8.176	79	30579	4.985	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.600%
46) 2-Hexanone-d5	8.629	63	209283	62.355	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.720%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	81950	5.388	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	12.188	152	73175	4.528	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	67370	4.722	ug/L	100
3) Chloromethane	1.520	50	96084	4.666	ug/L	98
5) Vinyl chloride	1.604	62	85476	4.579	ug/L	97
6) Bromomethane	1.861	94	38747	3.641	ug/L	100
8) Chloroethane	1.938	64	54173	4.237	ug/L	99
9) Trichlorofluoromethane	2.141	101	99422	4.710	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	59311	4.727	ug/L	99
12) 1,1-Dichloroethene	2.581	96	55965	4.660	ug/L	95
13) Acetone	2.658	43	167438	45.087	ug/L	99
14) Carbon disulfide	2.796	76	173684	4.489	ug/L	99
15) Methyl Acetate	2.957	43	41445	5.066	ug/L	95
16) Methylene chloride	3.044	84	72227	4.258	ug/L	96
17) Methyl tert-butyl Ether	3.359	73	165667	5.168	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	58591	4.734	ug/L	100
19) 1,1-Dichloroethane	3.867	63	126555	4.702	ug/L	98
21) 2-Butanone	4.716	43	293415	53.647	ug/L	96
22) cis-1,2-Dichloroethene	4.665	96	66903	4.926	ug/L	100
23) Bromochloromethane	4.970	128	32457	5.156	ug/L	94
25) Chloroform	5.086	83	119891	4.597	ug/L	99

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 VSTD005120

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	86197	4.784	ug/L	100
29) 1,1,1-Trichloroethane	5.314	97	96497	5.051	ug/L	97
30) Cyclohexane	5.385	56	108065	5.234	ug/L	99
31) Carbon tetrachloride	5.523	117	80905	4.819	ug/L	100
33) Benzene	5.771	78	268310	4.907	ug/L	100
34) Trichloroethene	6.539	95	61310	4.797	ug/L	99
35) Methylcyclohexane	6.761	83	98621	5.117	ug/L	98
37) 1,2-Dichloropropane	6.787	63	77725	5.094	ug/L	98
38) Bromodichloromethane	7.102	83	88624	4.772	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	94864	4.909	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	662772	59.445	ug/L	97
42) Toluene	7.967	91	267753	5.107	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	88039	5.170	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	55360	5.123	ug/L	98
47) Tetrachloroethene	8.552	164	43475	4.873	ug/L	97
48) 2-Hexanone	8.681	43	491464	58.478	ug/L	99
49) Dibromochloromethane	8.806	129	61394	5.365	ug/L	97
50) 1,2-Dibromoethane	8.918	107	52207	5.315	ug/L	98
51) Chlorobenzene	9.443	112	166292	4.967	ug/L	99
52) Ethylbenzene	9.568	91	270613	4.988	ug/L	98
53) m,p-Xylene	9.690	106	104771	5.237	ug/L	94
54) o-Xylene	10.095	106	99424	5.184	ug/L	97
55) Styrene	10.111	104	176336	5.285	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	82682	5.535	ug/L	99
59) Bromoform	10.288	173	35532	5.095	ug/L	98
60) Isopropylbenzene	10.481	105	265588	5.162	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	58835	5.168	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	204099	4.810	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	208554	4.882	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	123346	4.832	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	125407	4.750	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	121098	4.801	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	13549	5.258	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	84093	4.474	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	70942	4.485	ug/L	98
71) Naphthalene	14.082	128	151520	4.735	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	71646	4.519	ug/L	98

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

