

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082423\
 Data File : VV031921.D
 Acq On : 24 Aug 2023 19:59
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005380

Quant Time: Aug 25 01:01:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 25 00:56:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	113615	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	108721	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	55841	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	17070	4.448	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.536	69	21548	4.902	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.000%
11) 1,1-Dichloroethene-d2	2.063	65	10584	4.686	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.800%
20) 2-Butanone-d5	3.822	46	121185	65.239	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.480%#
24) Chloroform-d	4.259	84	64541	4.970	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	4.950	65	33443	4.997	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
32) Benzene-d6	4.966	84	122503	4.952	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	5.995	67	42580	4.881	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.249	98	110727	4.823	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	7.561	79	14230	4.473	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.400%
46) 2-Hexanone-d5	8.031	63	96221	56.730	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.460%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	33764	5.394	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	11.564	152	44724	4.946	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	32261	4.971	ug/L	97
3) Chloromethane	1.217	50	35038	5.040	ug/L	99
5) Vinyl chloride	1.285	62	36012	5.054	ug/L	96
6) Bromomethane	1.491	94	19592	4.399	ug/L	100
8) Chloroethane	1.555	64	22820	5.015	ug/L	99
9) Trichlorofluoromethane	1.716	101	45344	4.934	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	27530	5.022	ug/L	94
12) 1,1-Dichloroethene	2.073	96	26188	5.120	ug/L	94
13) Acetone	2.150	43	53481	48.862	ug/L	67
14) Carbon disulfide	2.246	76	73273	5.093	ug/L	99
15) Methyl Acetate	2.391	43	13122	5.883	ug/L	99
16) Methylene chloride	2.452	84	35090	4.219	ug/L	94
17) Methyl tert-butyl Ether	2.712	73	83593	5.268	ug/L	99
18) trans-1,2-Dichloroethene	2.700	96	29559	5.098	ug/L	98
19) 1,1-Dichloroethane	3.118	63	61530	5.153	ug/L	98
21) 2-Butanone	3.905	43	89644	57.823	ug/L	82
22) cis-1,2-Dichloroethene	3.822	96	34999	5.241	ug/L	93
23) Bromochloromethane	4.159	128	13970	5.272	ug/L	95
25) Chloroform	4.285	83	61885	5.084	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	37067	5.093	ug/L	99
29) 1,1,1-Trichloroethane	4.519	97	50869	4.844	ug/L	99
30) Cyclohexane	4.587	56	53272	4.936	ug/L	98
31) Carbon tetrachloride	4.738	117	42456	4.999	ug/L	96
33) Benzene	5.018	78	130476	5.210	ug/L	100
34) Trichloroethene	5.841	95	35533	4.854	ug/L	98
35) Methylcyclohexane	6.056	83	52601	4.937	ug/L	99
37) 1,2-Dichloropropane	6.098	63	34577	5.011	ug/L	100
38) Bromodichloromethane	6.439	83	44828	5.020	ug/L	96
39) cis-1,3-Dichloropropene	6.960	75	53600	5.106	ug/L	96
40) 4-Methyl-2-pentanone	7.166	43	237278	54.867	ug/L	96
42) Toluene	7.320	91	138616	4.982	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	43089	4.917	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	23710	4.801	ug/L	97
47) Tetrachloroethene	7.908	164	22801	4.876	ug/L	98
48) 2-Hexanone	8.082	43	170798	52.862	ug/L	99
49) Dibromochloromethane	8.182	129	26571	5.163	ug/L	99
50) 1,2-Dibromoethane	8.288	107	21821	4.886	ug/L #	97
51) Chlorobenzene	8.818	112	88596	5.029	ug/L	98
52) Ethylbenzene	8.950	91	159814	4.996	ug/L	99
53) m,p-Xylene	9.075	106	59004	4.898	ug/L	100
54) o-Xylene	9.481	106	58093	4.990	ug/L	98
55) Styrene	9.500	104	100309	4.994	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.182	83	27900	5.579	ug/L	96
59) Bromoform	9.670	173	13546	5.134	ug/L	96
60) Isopropylbenzene	9.870	105	158590	5.109	ug/L	98
61) 1,2,3-Trichloropropane	10.214	75	21796	5.299	ug/L	95
62) 1,3,5-Trimethylbenzene	10.481	105	134790	5.066	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	131193	5.018	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	70503	5.129	ug/L	100
65) 1,4-Dichlorobenzene	11.214	146	70330	4.980	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	64222	5.105	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	4762	5.112	ug/L	97
69) 1,3,5-Trichlorobenzene	12.587	180	52018	5.090	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	43583	4.678	ug/L	99
71) Naphthalene	13.445	128	76553	4.363	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	37590	4.792	ug/L	100

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

