

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112322\
 Data File : VV029303.D
 Acq On : 23 Nov 2022 18:38
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005367

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2022
 Supervised By : Mahesh Dadoda 11/25/2022

Quant Time: Nov 24 01:35:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 24 01:27:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	343772	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	300791	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	155632	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	96240	4.549	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.000%
7) Chloroethane-d5	1.564	69	72514	4.682	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.105	63	163927	4.842	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.800%
20) 2-Butanone-d5	3.912	46	167467	47.319	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.640%
24) Chloroform-d	4.339	84	178647	4.731	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.027	65	79386	4.778	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
32) Benzene-d6	5.043	84	386670	4.651	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.063	67	108048	4.625	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.600%
41) Toluene-d8	7.307	98	367237	4.680	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	7.616	79	43377	4.816	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.400%
46) 2-Hexanone-d5	8.085	63	155193	48.342	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.680%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	66243	4.596	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	11.612	152	127054	4.673	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	124812	4.866	ug/L	99
3) Chloromethane	1.240	50	112865	4.802	ug/L	100
5) Vinyl chloride	1.307	62	119652	5.109	ug/L	99
6) Bromomethane	1.519	94	75829	5.189	ug/L	100
8) Chloroethane	1.581	64	72119	5.182	ug/L	98
9) Trichlorofluoromethane	1.751	101	170038	5.187	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	93913	5.138	ug/L	99
12) 1,1-Dichloroethene	2.114	96	92504	5.233	ug/L	94
13) Acetone	2.208	43	113539	44.123	ug/L	61
14) Carbon disulfide	2.288	76	271289	5.282	ug/L	99
15) Methyl Acetate	2.439	43	37722m	5.101	ug/L	
16) Methylene chloride	2.500	84	120277	4.453	ug/L	98
17) Methyl tert-butyl Ether	2.767	73	238386	5.275	ug/L	99
18) trans-1,2-Dichloroethene	2.754	96	109058	5.376	ug/L	98
19) 1,1-Dichloroethane	3.182	63	191785	5.252	ug/L	97
21) 2-Butanone	3.992	43	202263	50.209	ug/L	96
22) cis-1,2-Dichloroethene	3.902	96	122352	5.273	ug/L	98
23) Bromochloromethane	4.243	128	49824	5.360	ug/L	99
25) Chloroform	4.365	83	197470	5.180	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	104707	5.069	ug/L	97
29) 1,1,1-Trichloroethane	4.600	97	178970	5.173	ug/L	99
30) Cyclohexane	4.670	56	175456	5.131	ug/L	99
31) Carbon tetrachloride	4.818	117	148439	5.073	ug/L	98
33) Benzene	5.092	78	458939	5.101	ug/L	100
34) Trichloroethene	5.908	95	116569	5.079	ug/L	99
35) Methylcyclohexane	6.124	83	199264	5.144	ug/L	99
37) 1,2-Dichloropropane	6.166	63	107179	5.057	ug/L	100
38) Bromodichloromethane	6.503	83	131196	5.171	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	161602	5.217	ug/L	97
40) 4-Methyl-2-pentanone	7.223	43	525122	52.953	ug/L	100
42) Toluene	7.378	91	492660	5.103	ug/L	100
44) trans-1,3-Dichloropropene	7.645	75	129437	5.275	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	74900	5.220	ug/L	98
47) Tetrachloroethene	7.966	164	95918	5.099	ug/L	97
48) 2-Hexanone	8.137	43	366577	53.025	ug/L	97
49) Dibromochloromethane	8.239	129	85568	5.302	ug/L	96
50) 1,2-Dibromoethane	8.346	107	66405	5.304	ug/L #	99
51) Chlorobenzene	8.873	112	317191	5.256	ug/L	99
52) Ethylbenzene	9.005	91	537173	5.336	ug/L	99
53) m,p-Xylene	9.130	106	208981	5.263	ug/L	100
54) o-Xylene	9.535	106	199658	5.119	ug/L	98
55) Styrene	9.551	104	337187	5.122	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.233	83	75083	5.057	ug/L	98
59) Bromoform	9.722	173	44024	5.384	ug/L	98
60) Isopropylbenzene	9.921	105	535951	5.326	ug/L	100
61) 1,2,3-Trichloropropane	10.265	75	56532	5.237	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	457972	5.257	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	463157	5.285	ug/L	100
64) 1,3-Dichlorobenzene	11.172	146	247493	5.272	ug/L	100
65) 1,4-Dichlorobenzene	11.262	146	242406	5.220	ug/L	100
67) 1,2-Dichlorobenzene	11.632	146	229154	5.298	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.416	75	11511	5.430	ug/L	98
69) 1,3,5-Trichlorobenzene	12.632	180	203059	5.250	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	167267	5.337	ug/L	99
71) Naphthalene	13.493	128	179569	6.619	ug/L	98
72) 1,2,3-Trichlorobenzene	13.731	180	139203	5.456	ug/L	98

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

