

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051623\
 Data File : VV031042.D
 Acq On : 16 May 2023 10:20
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005351

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 17 01:33:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 16 00:40:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	144063	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	140423	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	81572	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	42162	3.552	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	71.000%		
7) Chloroethane-d5	1.536	69	40299	4.162	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	83.200%		
11) 1,1-Dichloroethene-d2	2.063	65	25862	4.117	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	82.400%		
20) 2-Butanone-d5	3.828	46	95469	45.358	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	90.720%		
24) Chloroform-d	4.256	84	107658	4.564	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	91.200%		
26) 1,2-Dichloroethane-d4	4.950	65	54419	4.538	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	90.800%		
32) Benzene-d6	4.966	84	182346	4.430	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	88.600%		
36) 1,2-Dichloropropane-d6	5.995	67	50751	4.240	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	84.800%		
41) Toluene-d8	7.249	98	169966	4.336	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	86.800%		
43) trans-1,3-Dichloroprop...	7.558	79	19543	4.356	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	87.200%		
46) 2-Hexanone-d5	8.037	63	68955	43.867	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	87.740%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	40597	4.680	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	93.600%		
66) 1,2-Dichlorobenzene-d4	11.567	152	65241	4.291	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	85.800%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	47647	4.187	ug/L	98
3) Chloromethane	1.217	50	51437	3.851	ug/L	99
5) Vinyl chloride	1.285	62	47129	4.216	ug/L	98
6) Bromomethane	1.491	94	21750	4.085	ug/L	93
8) Chloroethane	1.552	64	27442	4.033	ug/L	96
9) Trichlorofluoromethane	1.716	101	91937	4.458	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	48187	4.577	ug/L	99
12) 1,1-Dichloroethene	2.073	96	42166	4.349	ug/L	94
13) Acetone	2.166	43	86050m	47.862	ug/L	
14) Carbon disulfide	2.246	76	91036	3.589	ug/L	98
15) Methyl Acetate	2.401	43	15105	4.130	ug/L	100
16) Methylene chloride	2.452	84	41060	3.744	ug/L	98
17) Methyl tert-butyl Ether	2.712	73	86117	4.666	ug/L	97
18) trans-1,2-Dichloroethene	2.700	96	38150	4.308	ug/L	94
19) 1,1-Dichloroethane	3.118	63	79446	4.646	ug/L	99
21) 2-Butanone	3.909	43	79975	40.446	ug/L	85
22) cis-1,2-Dichloroethene	3.825	96	41447	4.436	ug/L	95
23) Bromochloromethane	4.159	128	19680	4.474	ug/L	93
25) Chloroform	4.285	83	90265	4.920	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	54791	4.758	ug/L	98
29) 1,1,1-Trichloroethane	4.519	97	84191	4.771	ug/L	99
30) Cyclohexane	4.587	56	52538	3.942	ug/L	98
31) Carbon tetrachloride	4.745	117	75125	4.740	ug/L	99
33) Benzene	5.018	78	165004	4.671	ug/L	100
34) Trichloroethene	5.838	95	42412	4.504	ug/L	97
35) Methylcyclohexane	6.056	83	59178	4.056	ug/L	98
37) 1,2-Dichloropropane	6.098	63	40408	4.823	ug/L #	95
38) Bromodichloromethane	6.439	83	59224	4.830	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	58035	4.625	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	213836	49.260	ug/L	98
42) Toluene	7.320	91	181920	4.784	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	50066	4.683	ug/L	97
45) 1,1,2-Trichloroethane	7.777	97	30588	4.920	ug/L	97
47) Tetrachloroethene	7.912	164	41439	4.613	ug/L	97
48) 2-Hexanone	8.085	43	171481	51.504	ug/L	99
49) Dibromochloromethane	8.182	129	39583	5.061	ug/L	96
50) 1,2-Dibromoethane	8.291	107	27694	4.995	ug/L	99
51) Chlorobenzene	8.822	112	120819	4.686	ug/L	98
52) Ethylbenzene	8.953	91	190346	4.591	ug/L	98
53) m,p-Xylene	9.079	106	74286	4.490	ug/L	97
54) o-Xylene	9.484	106	73156	4.646	ug/L	96
55) Styrene	9.503	104	125855	4.737	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	33195	4.777	ug/L	99
59) Bromoform	9.670	173	23054	4.801	ug/L	99
60) Isopropylbenzene	9.873	105	198842	4.521	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	23879	4.660	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	157350	4.395	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	158617	4.372	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	106624	4.721	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	108352	4.755	ug/L	97
67) 1,2-Dichlorobenzene	11.587	146	94628	4.659	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	5541	4.260	ug/L #	87
69) 1,3,5-Trichlorobenzene	12.590	180	83690	4.680	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	61774	4.495	ug/L	99
71) Naphthalene	13.445	128	80888	4.105	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	52576	4.519	ug/L	99

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

