

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041024\
 Data File : VW035095.D
 Acq On : 10 Apr 2024 08:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050324

Quant Time: Apr 11 06:55:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 10 04:53:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	349729	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	345472	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	177296	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	123392	36.533	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.060%
7) Chloroethane-d5	1.526	69	125779	42.875	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.760%
11) 1,1-Dichloroethene-d2	2.056	65	60086	40.584	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.160%
21) 2-Butanone-d5	3.783	46	210241	104.956	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.960%
24) Chloroform-d	4.243	84	275005	48.427	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.860%
26) 1,2-Dichloroethane-d4	4.937	65	171995	47.705	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.420%
32) Benzene-d6	4.957	84	517635	44.606	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.220%
36) 1,2-Dichloropropane-d6	5.985	67	171499	46.539	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.080%
41) Toluene-d8	7.239	98	462106	44.217	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.440%
43) trans-1,3-Dichloroprop...	7.551	79	73765	41.176	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.360%
47) 2-Hexanone-d5	8.021	63	128358	92.129	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.130%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	250490	49.362	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.720%
66) 1,2-Dichlorobenzene-d4	11.558	152	174593	43.860	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	119837	47.278	ug/L	99
3) Chloromethane	1.214	50	157196	48.240	ug/L	100
5) Vinyl chloride	1.281	62	167129	48.923	ug/L	99
6) Bromomethane	1.484	94	103492	40.415	ug/L	98
8) Chloroethane	1.542	64	116496	49.931	ug/L	98
9) Trichlorofluoromethane	1.709	101	232825	51.927	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	145059	52.857	ug/L	98
12) 1,1-Dichloroethene	2.066	96	130912	49.876	ug/L	92
13) Acetone	2.114	43	166649	90.618	ug/L	98
14) Carbon disulfide	2.236	76	329495	44.578	ug/L	100
15) Methyl Acetate	2.371	43	188459	65.030	ug/L	99
16) Methylene chloride	2.442	84	160827	56.550	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	135102	53.240	ug/L	96
18) Methyl tert-butyl Ether	2.699	73	501836	56.302	ug/L	98
19) 1,1-Dichloroethane	3.108	63	306605	58.919	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	160936	55.850	ug/L	98
22) 2-Butanone	3.863	43	231687	108.569	ug/L	97
23) Bromochloromethane	4.143	128	82895	57.497	ug/L	97
25) Chloroform	4.268	83	299646	58.241	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	240438	58.696	ug/L	100
29) Cyclohexane	4.577	56	221376	51.162	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	247258	54.907	ug/L	99
31) Carbon tetrachloride	4.731	117	212463	55.664	ug/L	100
33) Benzene	5.005	78	613194	54.432	ug/L	100
34) Trichloroethene	5.828	95	156046	51.327	ug/L	98
35) Methylcyclohexane	6.047	83	230015	50.096	ug/L	98
37) 1,2-Dichloropropane	6.088	63	179220	57.567	ug/L	100
38) Bromodichloromethane	6.429	83	228508	56.888	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	249815	50.938	ug/L	100
40) 4-Methyl-2-pentanone	7.153	43	473452	119.112	ug/L	98
42) Toluene	7.313	91	645045	54.692	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	235756	52.324	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	169992	57.932	ug/L	99
46) Tetrachloroethene	7.902	164	112918	53.162	ug/L	98
48) 2-Hexanone	8.072	43	375422	111.051	ug/L	99
49) Dibromochloromethane	8.172	129	169033	58.162	ug/L	98
50) 1,2-Dibromoethane	8.278	107	174946	55.378	ug/L	99
51) Chlorobenzene	8.812	112	415898	54.409	ug/L	100
52) Ethylbenzene	8.944	91	708366	54.193	ug/L	100
53) m,p-Xylene	9.069	106	260779	54.175	ug/L	98
54) o-Xylene	9.477	106	258368	54.247	ug/L	99
55) Styrene	9.493	104	456404	56.706	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	278359	58.549	ug/L	99
59) Bromoform	9.661	173	123014	60.545	ug/L	99
60) Isopropylbenzene	9.863	105	704698	55.134	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	222800	57.992	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	450198	54.234	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	565408	55.091	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	323597	54.176	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	331154	54.518	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	333801	56.099	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	59092	55.829	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	228919	53.177	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	204120	51.620	ug/L	99
71) Naphthalene	13.435	128	526310	47.974	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	214806	55.109	ug/L	99

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

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