

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020124\
 Data File : VW033955.D
 Acq On : 01 Feb 2024 17:51
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050393

Quant Time: Feb 02 04:33:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 02 04:28:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	200307	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	187489	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	97941	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	51180	33.246	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.500%
7) Chloroethane-d5	1.526	69	45076	36.974	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.940%
11) 1,1-Dichloroethene-d2	2.060	65	25162	37.978	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.960%
21) 2-Butanone-d5	3.783	46	97376	92.219	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.220%
24) Chloroform-d	4.249	84	115024	41.785	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.580%
26) 1,2-Dichloroethane-d4	4.941	65	75914	42.682	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.360%
32) Benzene-d6	4.960	84	198209	37.186	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.380%
36) 1,2-Dichloropropane-d6	5.989	67	63243	36.046	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	72.100%
41) Toluene-d8	7.243	98	179541	37.385	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.760%#
43) trans-1,3-Dichloroprop...	7.551	79	34708	40.027	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.060%
47) 2-Hexanone-d5	8.021	63	65546	90.064	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.060%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	95014	42.419	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.840%
66) 1,2-Dichlorobenzene-d4	11.561	152	77838	41.889	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	67738	40.650	ug/L	99
3) Chloromethane	1.217	50	74640	39.390	ug/L	98
5) Vinyl chloride	1.282	62	77607	42.811	ug/L	98
6) Bromomethane	1.478	94	40677	42.935	ug/L	99
8) Chloroethane	1.545	64	49633	45.917	ug/L	99
9) Trichlorofluoromethane	1.712	101	124753	57.671	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	67187	52.718	ug/L	95
12) 1,1-Dichloroethene	2.069	96	62625	52.094	ug/L	86
13) Acetone	2.111	43	97106	96.184	ug/L	100
14) Carbon disulfide	2.240	76	165757	40.569	ug/L	99
15) Methyl Acetate	2.372	43	75873	45.959	ug/L #	100
16) Methylene chloride	2.445	84	66309	45.215	ug/L	94
17) trans-1,2-Dichloroethene	2.693	96	59288	44.151	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	229748	47.571	ug/L	98
19) 1,1-Dichloroethane	3.111	63	122511	44.625	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	69596	46.567	ug/L	92
22) 2-Butanone	3.863	43	109161	89.025	ug/L	98
23) Bromochloromethane	4.146	128	36008	49.594	ug/L	82
25) Chloroform	4.278	83	125678	48.283	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	105884	48.702	ug/L	99
29) Cyclohexane	4.584	56	106417	40.261	ug/L	93
30) 1,1,1-Trichloroethane	4.513	97	118380	52.614	ug/L	98
31) Carbon tetrachloride	4.735	117	102891	53.575	ug/L	99
33) Benzene	5.011	78	250273	45.448	ug/L	100
34) Trichloroethene	5.834	95	68240	46.196	ug/L	99
35) Methylcyclohexane	6.050	83	107434	42.498	ug/L	96
37) 1,2-Dichloropropane	6.092	63	67517	44.555	ug/L	98
38) Bromodichloromethane	6.432	83	95132	47.989	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	115583	45.675	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	203325	90.553	ug/L	97
42) Toluene	7.317	91	271577	46.653	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	109321	46.880	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	64746	47.090	ug/L	98
46) Tetrachloroethene	7.905	164	52081	48.068	ug/L	98
48) 2-Hexanone	8.072	43	157823	88.211	ug/L	98
49) Dibromochloromethane	8.178	129	70180	49.008	ug/L	100
50) 1,2-Dibromoethane	8.281	107	68413	47.083	ug/L	98
51) Chlorobenzene	8.812	112	174173	46.972	ug/L	98
52) Ethylbenzene	8.947	91	306610	45.475	ug/L	100
53) m,p-Xylene	9.072	106	115314	46.326	ug/L	100
54) o-Xylene	9.477	106	113851	46.201	ug/L	100
55) Styrene	9.497	104	193453	45.470	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	100467	45.914	ug/L	97
59) Bromoform	9.664	173	50683	48.690	ug/L	96
60) Isopropylbenzene	9.866	105	315685	47.639	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	80768	46.467	ug/L	94
62) 1,3,5-Trimethylbenzene	10.477	105	269548	47.409	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	264888	46.758	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	142133	47.485	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	140014	46.651	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	139200	47.595	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	24160	48.167	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	104179	47.100	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	93000	46.325	ug/L	98
71) Naphthalene	13.439	128	238897	45.539	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	90134	48.102	ug/L	99

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

