

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071223\
 Data File : VW031690.D
 Acq On : 12 Jul 2023 13:00
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050390

Quant Time: Jul 13 04:59:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 13 04:58:07 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	256848	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	276276	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	161794	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	93282	40.125	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.260%
7) Chloroethane-d5	1.529	69	87362	51.929	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.860%
11) 1,1-Dichloroethene-d2	2.060	65	47321	45.694	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.380%
21) 2-Butanone-d5	3.802	46	45520m	30.640	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	30.640%#
24) Chloroform-d	4.256	84	239484	51.618	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.240%
26) 1,2-Dichloroethane-d4	4.947	65	151570	51.955	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.920%
32) Benzene-d6	4.966	84	402100	48.542	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.080%
36) 1,2-Dichloropropane-d6	5.995	67	145396	54.288	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.580%
41) Toluene-d8	7.249	98	375331	50.395	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.800%
43) trans-1,3-Dichloroprop...	7.555	79	66176	49.482	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.960%
47) 2-Hexanone-d5	8.030	63	69064	67.277	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	67.280%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	224929	55.449	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.900%
66) 1,2-Dichlorobenzene-d4	11.567	152	139445	46.989	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.980%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	146434	45.863	ug/L	100
3) Chloromethane	1.220	50	152813	46.260	ug/L	100
5) Vinyl chloride	1.282	62	134144	43.362	ug/L	98
6) Bromomethane	1.484	94	100007	56.580	ug/L	98
8) Chloroethane	1.548	64	88884	52.108	ug/L	99
9) Trichlorofluoromethane	1.712	101	221180	49.896	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	125820	49.308	ug/L	98
12) 1,1-Dichloroethene	2.069	96	110162	49.675	ug/L	97
13) Acetone	2.114	43	122900	95.731	ug/L	99
14) Carbon disulfide	2.243	76	349695	47.892	ug/L	98
15) Methyl Acetate	2.375	43	165450	61.143	ug/L	96
16) Methylene chloride	2.449	84	145672	55.567	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	113043	49.904	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	394103	57.169	ug/L	99
19) 1,1-Dichloroethane	3.114	63	251543	54.318	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	121145	52.134	ug/L	95
22) 2-Butanone	3.870	43	242803	136.503	ug/L	95
23) Bromochloromethane	4.153	128	75027	59.383	ug/L	99
25) Chloroform	4.281	83	267014	56.215	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	212751	60.290	ug/L	99
29) Cyclohexane	4.590	56	168937	46.641	ug/L	100
30) 1,1,1-Trichloroethane	4.516	97	218797	50.683	ug/L	99
31) Carbon tetrachloride	4.741	117	189182	49.445	ug/L	99
33) Benzene	5.014	78	507325	53.845	ug/L	100
34) Trichloroethene	5.838	95	126898	47.868	ug/L	98
35) Methylcyclohexane	6.056	83	166858	46.243	ug/L	97
37) 1,2-Dichloropropane	6.098	63	150099	56.988	ug/L	100
38) Bromodichloromethane	6.439	83	200435	56.138	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	210557	52.845	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	438058	133.719	ug/L	97
42) Toluene	7.320	91	534465	54.929	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	215130	54.124	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	151684	58.168	ug/L	97
46) Tetrachloroethene	7.911	164	94019	46.648	ug/L	97
48) 2-Hexanone	8.082	43	355010	128.941	ug/L	98
49) Dibromochloromethane	8.182	129	163633	56.502	ug/L	98
50) 1,2-Dibromoethane	8.288	107	162428	56.527	ug/L	100
51) Chlorobenzene	8.818	112	325448	50.460	ug/L	99
52) Ethylbenzene	8.953	91	531963	50.248	ug/L	98
53) m,p-Xylene	9.079	106	202361	51.847	ug/L	94
54) o-Xylene	9.487	106	188205	52.065	ug/L	98
55) Styrene	9.500	104	378404	56.863	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	245525	60.646	ug/L #	96
59) Bromoform	9.670	173	123163	59.571	ug/L #	99
60) Isopropylbenzene	9.873	105	505290	51.144	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	199689	59.341	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	405729	50.260	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	419926	52.225	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	265558	51.750	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	280378	50.377	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	269582	51.222	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	59580	58.027	ug/L	99
69) 1,3,5-Trichlorobenzene	12.590	180	179261	46.631	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	155963	45.785	ug/L	99
71) Naphthalene	13.445	128	528308	53.598	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	181196	50.734	ug/L	99

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

