

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
 Data File : VW031149.D
 Acq On : 20 May 2023 09:16
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050348

Quant Time: May 22 00:16:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 20 01:55:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	281314	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	245314	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	154262	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	109669	45.616	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.240%
7) Chloroethane-d5	1.532	69	86239	46.563	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.120%
11) 1,1-Dichloroethene-d2	2.063	65	52874	46.899	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.800%
21) 2-Butanone-d5	3.793	46	132573	103.487	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.490%
24) Chloroform-d	4.256	84	201052	47.271	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.540%
26) 1,2-Dichloroethane-d4	4.947	65	139055	48.383	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.760%
32) Benzene-d6	4.966	84	365589	54.974	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.940%
36) 1,2-Dichloropropane-d6	5.995	67	106409	53.477	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.960%
41) Toluene-d8	7.249	98	341926	55.089	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.180%
43) trans-1,3-Dichloroprop...	7.558	79	48815	48.898	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.800%
47) 2-Hexanone-d5	8.030	63	81180	104.637	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.640%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	143818	48.189	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.380%
66) 1,2-Dichlorobenzene-d4	11.567	152	140391	50.645	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.280%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	85054	46.832	ug/L	99
3) Chloromethane	1.217	50	97716	49.146	ug/L	99
5) Vinyl chloride	1.285	62	86018	48.436	ug/L	100
6) Bromomethane	1.484	94	44614	44.826	ug/L	95
8) Chloroethane	1.548	64	53258	46.539	ug/L	99
9) Trichlorofluoromethane	1.716	101	166281	47.604	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	86238	46.816	ug/L	98
12) 1,1-Dichloroethene	2.072	96	73341	46.934	ug/L	90
13) Acetone	2.114	43	110541	66.373	ug/L	98
14) Carbon disulfide	2.246	76	135873	47.714	ug/L	100
15) Methyl Acetate	2.375	43	98368	51.969	ug/L	98
16) Methylene chloride	2.452	84	85536	49.168	ug/L	99
17) trans-1,2-Dichloroethene	2.699	96	68879	47.674	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	296481	53.121	ug/L	100
19) 1,1-Dichloroethane	3.117	63	161899	49.171	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	89259	50.116	ug/L	98
22) 2-Butanone	3.873	43	134944	84.494	ug/L	99
23) Bromochloromethane	4.153	128	49445	50.519	ug/L	98
25) Chloroform	4.281	83	182231	49.544	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	159865	51.226	ug/L	98
29) Cyclohexane	4.590	56	108377	56.143	ug/L	98
30) 1,1,1-Trichloroethane	4.519	97	165922	55.119	ug/L	99
31) Carbon tetrachloride	4.741	117	143208	54.608	ug/L	99
33) Benzene	5.018	78	331816	56.460	ug/L	100
34) Trichloroethene	5.838	95	83844	53.243	ug/L	97
35) Methylcyclohexane	6.059	83	111345	53.285	ug/L	100
37) 1,2-Dichloropropane	6.098	63	90318	55.835	ug/L	100
38) Bromodichloromethane	6.439	83	137261	54.740	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	129319	51.845	ug/L	99
40) 4-Methyl-2-pentanone	7.166	43	296173	118.987	ug/L	98
42) Toluene	7.323	91	364065	57.256	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	128311	50.850	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	87292	49.454	ug/L	98
46) Tetrachloroethene	7.911	164	67139	49.652	ug/L	95
48) 2-Hexanone	8.082	43	210378	101.475	ug/L	99
49) Dibromochloromethane	8.182	129	98215	49.316	ug/L	97
50) 1,2-Dibromoethane	8.288	107	90171	51.381	ug/L	99
51) Chlorobenzene	8.821	112	223869	49.466	ug/L	98
52) Ethylbenzene	8.953	91	379624	52.146	ug/L	100
53) m,p-Xylene	9.079	106	148777	52.684	ug/L	92
54) o-Xylene	9.484	106	145619	52.271	ug/L	97
55) Styrene	9.500	104	254203	51.594	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	147548	50.875	ug/L	97
59) Bromoform	9.670	173	81877	45.774	ug/L	98
60) Isopropylbenzene	9.873	105	394118	47.771	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	113226	47.711	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	353894	52.185	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	353260	53.276	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	215229	50.914	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	218726	49.735	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	220878	51.495	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	35895	49.274	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	154299	47.217	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	131692	47.353	ug/L	98
71) Naphthalene	13.445	128	348058	48.182	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	136610	49.157	ug/L	98

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

