

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052223\
 Data File : VW031173.D
 Acq On : 22 May 2023 18:07
 Operator : SY/MD
 Sample : 02861-17MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FL8MSD

Quant Time: May 23 04:54:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 23 04:42:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	260584	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	256208	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	151150	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	69223	31.083	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.160%
7) Chloroethane-d5	1.535	69	63408	36.959	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.920%
11) 1,1-Dichloroethene-d2	2.063	65	36202	34.666	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.340%
21) 2-Butanone-d5	3.799	46	112536	94.835	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.830%
24) Chloroform-d	4.259	84	165190	41.929	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.860%
26) 1,2-Dichloroethane-d4	4.950	65	115655	43.443	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.880%
32) Benzene-d6	4.969	84	279069	40.179	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.360%
36) 1,2-Dichloropropane-d6	5.995	67	84386	40.606	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.220%
41) Toluene-d8	7.249	98	258948	39.946	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.900%#
43) trans-1,3-Dichloroprop...	7.558	79	46015	44.133	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.260%
47) 2-Hexanone-d5	8.034	63	74184	91.554	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.550%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	137735	44.188	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.380%
66) 1,2-Dichlorobenzene-d4	11.567	152	117135	43.125	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	78536	46.684	ug/L	99
3) Chloromethane	1.217	50	84245	45.741	ug/L	99
5) Vinyl chloride	1.285	62	78902	47.963	ug/L	98
6) Bromomethane	1.490	94	41227	44.718	ug/L	99
8) Chloroethane	1.552	64	54178	51.109	ug/L	99
9) Trichlorofluoromethane	1.716	101	158201	48.894	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	81425	47.720	ug/L	96
12) 1,1-Dichloroethene	2.076	96	70024	48.376	ug/L	83
13) Acetone	2.124	43	147843	95.833	ug/L	99
14) Carbon disulfide	2.246	76	124949	47.368	ug/L	99
15) Methyl Acetate	2.381	43	92685	52.862	ug/L	98
16) Methylene chloride	2.455	84	77611	48.162	ug/L	100
17) trans-1,2-Dichloroethene	2.699	96	65170	48.696	ug/L	99
18) Methyl tert-butyl Ether	2.712	73	272612	52.730	ug/L	98
19) 1,1-Dichloroethane	3.117	63	152700	50.066	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	83610	50.679	ug/L	99
22) 2-Butanone	3.879	43	143791	97.196	ug/L	96
23) Bromochloromethane	4.159	128	46557	51.353	ug/L	95
25) Chloroform	4.285	83	174150	51.114	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	150558	52.082	ug/L	99
29) Cyclohexane	4.593	56	99068	49.138	ug/L	100
30) 1,1,1-Trichloroethane	4.519	97	160293	50.984	ug/L	98
31) Carbon tetrachloride	4.744	117	139559	50.954	ug/L	99
33) Benzene	5.018	78	313751	51.116	ug/L	100
34) Trichloroethene	5.841	95	80986	49.242	ug/L	97
35) Methylcyclohexane	6.059	83	107691	49.345	ug/L	99
37) 1,2-Dichloropropane	6.101	63	88717	52.514	ug/L	99
38) Bromodichloromethane	6.439	83	131012	50.026	ug/L #	97
39) cis-1,3-Dichloropropene	6.960	75	132328	50.796	ug/L	96
40) 4-Methyl-2-pentanone	7.165	43	276512	106.365	ug/L	99
42) Toluene	7.323	91	351687	52.958	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	138228	52.451	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	94643	51.338	ug/L	99
46) Tetrachloroethene	7.911	164	70117	49.650	ug/L	94
48) 2-Hexanone	8.082	43	216294	99.893	ug/L	99
49) Dibromochloromethane	8.181	129	105597	50.768	ug/L	99
50) 1,2-Dibromoethane	8.288	107	93509	51.018	ug/L	98
51) Chlorobenzene	8.821	112	237588	50.265	ug/L	99
52) Ethylbenzene	8.953	91	386715	50.861	ug/L	99
53) m,p-Xylene	9.079	106	152887	51.837	ug/L	94
54) o-Xylene	9.484	106	151216	51.972	ug/L	100
55) Styrene	9.503	104	273588	53.167	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	150072	49.545	ug/L	97
59) Bromoform	9.670	173	87238	49.776	ug/L	99
60) Isopropylbenzene	9.873	105	414651	51.294	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	119544	51.411	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	338855	50.996	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	337908	52.010	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	213627	51.576	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	219596	50.961	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	215023	51.162	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	35104	49.180	ug/L	91
69) 1,3,5-Trichlorobenzene	12.590	180	163289	50.997	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	120836	44.344	ug/L	98
71) Naphthalene	13.445	128	308460	43.580	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	118972	43.691	ug/L	100

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

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