

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
 Data File : VW031097.D
 Acq On : 19 May 2023 10:17
 Operator : SY/MD
 Sample : VSTD05023
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050223

Quant Time: May 19 23:55:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 19 23:53:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	281808	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	276105	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	168507	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	115665	54.410	ug/L	0.00
7) Chloroethane-d5	1.536	69	89586	50.960	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	54332	53.802	ug/L	0.00
21) 2-Butanone-d5	3.793	46	128424	110.184	ug/L	0.00
24) Chloroform-d	4.259	84	204940	53.571	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	141081	56.446	ug/L	0.00
32) Benzene-d6	4.966	84	373450	55.793	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	109915	53.180	ug/L	0.00
41) Toluene-d8	7.249	98	360988	57.335	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	55447	53.410	ug/L	0.00
47) 2-Hexanone-d5	8.031	63	86404	105.710	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	163430	54.323	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	144485	52.992	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	89168	38.566	ug/L	100
3) Chloromethane	1.217	50	96610	32.576	ug/L	100
5) Vinyl chloride	1.285	62	86792	35.859	ug/L	100
6) Bromomethane	1.491	94	45719	45.547	ug/L	100
8) Chloroethane	1.552	64	53710	32.738	ug/L	100
9) Trichlorofluoromethane	1.716	101	171684	42.641	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	90777	42.699	ug/L	100
12) 1,1-Dichloroethene	2.076	96	74998	39.796	ug/L	100
13) Acetone	2.121	43	161381	92.345	ug/L	100
14) Carbon disulfide	2.246	76	138731	27.534	ug/L	100
15) Methyl Acetate	2.378	43	97272	43.021	ug/L	100
16) Methylene chloride	2.455	84	82320	38.216	ug/L	100
17) trans-1,2-Dichloroethene	2.700	96	70630	37.413	ug/L	100
18) Methyl tert-butyl Ether	2.709	73	275192	44.291	ug/L	100
19) 1,1-Dichloroethane	3.118	63	159923	40.818	ug/L	100
20) cis-1,2-Dichloroethene	3.822	96	88025	42.029	ug/L	100
22) 2-Butanone	3.876	43	161794	90.666	ug/L	100
23) Bromochloromethane	4.156	128	48204	41.360	ug/L	100
25) Chloroform	4.285	83	181152	44.324	ug/L	100
27) 1,2-Dichloroethane	5.050	62	158874	45.655	ug/L	100
29) Cyclohexane	4.593	56	107028	34.744	ug/L	100
30) 1,1,1-Trichloroethane	4.523	97	166248	43.869	ug/L	100
31) Carbon tetrachloride	4.744	117	146548	43.348	ug/L	100
33) Benzene	5.018	78	339671	42.257	ug/L	100
34) Trichloroethene	5.841	95	86100	41.097	ug/L	100
35) Methylcyclohexane	6.060	83	118101	36.833	ug/L	100
37) 1,2-Dichloropropane	6.098	63	91817	42.276	ug/L	100
38) Bromodichloromethane	6.439	83	138494	44.562	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	138002	42.244	ug/L	100
40) 4-Methyl-2-pentanone	7.166	43	287320	93.299	ug/L	100
42) Toluene	7.323	91	373078	43.400	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	147602	45.612	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	99861	45.129	ug/L	100
46) Tetrachloroethene	7.912	164	73638	40.296	ug/L	100
48) 2-Hexanone	8.082	43	241979	94.529	ug/L	100
49) Dibromochloromethane	8.182	129	108928	44.580	ug/L	100
50) 1,2-Dibromoethane	8.288	107	97474	42.998	ug/L	100
51) Chlorobenzene	8.822	112	250173	43.328	ug/L	100
52) Ethylbenzene	8.953	91	413892	43.301	ug/L	100
53) m,p-Xylene	9.079	106	161591	44.674	ug/L	100
54) o-Xylene	9.484	106	156385	43.997	ug/L	100
55) Styrene	9.503	104	286640	46.036	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	162122	44.629	ug/L	100
59) Bromoform	9.670	173	91632	44.320	ug/L	100
60) Isopropylbenzene	9.873	105	438660	43.197	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	128616	43.611	ug/L	100
62) 1,3,5-Trimethylbenzene	10.484	105	353478	42.410	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	350699	42.291	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	225963	44.123	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	235313	43.638	ug/L	100
67) 1,2-Dichlorobenzene	11.587	146	230863	44.525	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	36796	42.239	ug/L	100
69) 1,3,5-Trichlorobenzene	12.590	180	166638	43.160	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	148406	45.008	ug/L	100
71) Naphthalene	13.445	128	385542	43.265	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	152429	46.629	ug/L	100

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

