

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072523\
 Data File : VW031736.D
 Acq On : 25 Jul 2023 09:55
 Operator : SY/MD
 Sample : VSTD05049
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050249

Quant Time: Jul 26 02:06:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 26 02:05:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	371733	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	389293	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	239218	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	176596	51.421	ug/L	0.00
7) Chloroethane-d5	1.532	69	152905	61.050	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.059	65	80074	52.553	ug/L	0.00
21) 2-Butanone-d5	3.789	46	258799	114.605	ug/L	0.00
24) Chloroform-d	4.256	84	376649	54.893	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	227166	52.523	ug/L	0.00
32) Benzene-d6	4.966	84	622164	52.745	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	219289	56.773	ug/L	0.00
41) Toluene-d8	7.249	98	543017	52.233	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	94890	50.048	ug/L	0.00
47) 2-Hexanone-d5	8.030	63	179502	117.933	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	302143	52.327	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	221837	50.331	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	206653	45.601	ug/L	99
3) Chloromethane	1.217	50	201545	42.645	ug/L	96
5) Vinyl chloride	1.285	62	205312	46.046	ug/L	100
6) Bromomethane	1.484	94	141979	54.500	ug/L	98
8) Chloroethane	1.548	64	130496	52.751	ug/L	97
9) Trichlorofluoromethane	1.715	101	340468	52.690	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	192698	51.767	ug/L	97
12) 1,1-Dichloroethene	2.072	96	160705	50.108	ug/L	91
13) Acetone	2.114	43	193098	104.872	ug/L	99
14) Carbon disulfide	2.243	76	401994	39.548	ug/L	99
15) Methyl Acetate	2.375	43	208481	51.707	ug/L	98
16) Methylene chloride	2.449	84	183569	48.223	ug/L	94
17) trans-1,2-Dichloroethene	2.696	96	146204	45.205	ug/L	94
18) Methyl tert-butyl Ether	2.709	73	492573	49.044	ug/L	99
19) 1,1-Dichloroethane	3.114	63	337729	49.797	ug/L	97
20) cis-1,2-Dichloroethene	3.821	96	168312	49.779	ug/L	96
22) 2-Butanone	3.870	43	266322	103.139	ug/L	98
23) Bromochloromethane	4.153	128	90967	50.086	ug/L	92
25) Chloroform	4.284	83	361292	51.869	ug/L	100
27) 1,2-Dichloroethane	5.046	62	276879	53.287	ug/L	99
29) Cyclohexane	4.590	56	222989	44.738	ug/L	98
30) 1,1,1-Trichloroethane	4.519	97	312330	50.955	ug/L	98
31) Carbon tetrachloride	4.741	117	269217	50.079	ug/L	100
33) Benzene	5.014	78	683489	51.257	ug/L	100
34) Trichloroethene	5.837	95	199890	52.586	ug/L	97
35) Methylcyclohexane	6.056	83	222840	44.994	ug/L	98
37) 1,2-Dichloropropane	6.098	63	199533	53.070	ug/L	100
38) Bromodichloromethane	6.439	83	268982	53.008	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	278596	49.522	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	533413	112.398	ug/L	98
42) Toluene	7.320	91	719101	52.616	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	282945	50.408	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	198222	53.261	ug/L	97
46) Tetrachloroethene	7.911	164	129161	46.266	ug/L	97
48) 2-Hexanone	8.082	43	438614	110.521	ug/L	97
49) Dibromochloromethane	8.181	129	206104	50.486	ug/L	97
50) 1,2-Dibromoethane	8.287	107	206802	50.860	ug/L	99
51) Chlorobenzene	8.818	112	443077	48.889	ug/L	99
52) Ethylbenzene	8.950	91	744162	50.156	ug/L	97
53) m,p-Xylene	9.078	106	278426	51.325	ug/L	95
54) o-Xylene	9.484	106	258817	51.150	ug/L	99
55) Styrene	9.500	104	511061	54.847	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	266487	47.366	ug/L	99
59) Bromoform	9.670	173	149728	49.617	ug/L #	98
60) Isopropylbenzene	9.873	105	723913	49.888	ug/L	99
61) 1,2,3-Trichloropropane	10.213	75	256507	50.845	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	565729	48.038	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	585380	49.821	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	367968	48.886	ug/L	99
65) 1,4-Dichlorobenzene	11.213	146	386653	47.407	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	379531	48.990	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	69750	46.263	ug/L	99
69) 1,3,5-Trichlorobenzene	12.586	180	252564	45.334	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	218428	44.192	ug/L	99
71) Naphthalene	13.445	128	694186	47.649	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	252842	48.245	ug/L	100

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

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