

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052423\
 Data File : VW031227.D
 Acq On : 24 May 2023 19:57
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050354

Quant Time: May 25 01:17:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 25 01:11:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	180994	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	182860	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	112419	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	56573	36.574	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.140%
7) Chloroethane-d5	1.535	69	55257	46.372	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.740%
11) 1,1-Dichloroethene-d2	2.063	65	30430	41.952	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.900%
21) 2-Butanone-d5	3.799	46	84334	102.320	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.320%
24) Chloroform-d	4.259	84	127172	46.473	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.940%
26) 1,2-Dichloroethane-d4	4.950	65	90599	48.996	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.000%
32) Benzene-d6	4.969	84	213534	43.076	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.160%
36) 1,2-Dichloropropane-d6	5.995	67	62704	42.275	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.560%
41) Toluene-d8	7.249	98	209735	45.332	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.660%
43) trans-1,3-Dichloroprop...	7.558	79	34314	46.111	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.220%
47) 2-Hexanone-d5	8.034	63	57608	99.615	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.610%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	103443	46.498	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.000%
66) 1,2-Dichlorobenzene-d4	11.567	152	93609	46.337	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	51461	44.041	ug/L	98
3) Chloromethane	1.217	50	54155	42.334	ug/L	98
5) Vinyl chloride	1.285	62	50991	44.627	ug/L	100
6) Bromomethane	1.490	94	30535	47.685	ug/L	96
8) Chloroethane	1.552	64	38406	52.163	ug/L	99
9) Trichlorofluoromethane	1.719	101	112657	50.128	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	57945	48.893	ug/L	97
12) 1,1-Dichloroethene	2.076	96	48096	47.838	ug/L	97
13) Acetone	2.124	43	79756	74.432	ug/L	98
14) Carbon disulfide	2.246	76	81023	44.223	ug/L	98
15) Methyl Acetate	2.381	43	67464	55.398	ug/L	98
16) Methylene chloride	2.455	84	55074	49.205	ug/L	96
17) trans-1,2-Dichloroethene	2.699	96	44171	47.518	ug/L	96
18) Methyl tert-butyl Ether	2.712	73	191516	53.334	ug/L	98
19) 1,1-Dichloroethane	3.121	63	103051	48.645	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	57801	50.441	ug/L	99
22) 2-Butanone	3.883	43	92971	90.479	ug/L	99
23) Bromochloromethane	4.159	128	32399	51.451	ug/L	95
25) Chloroform	4.288	83	124073	52.429	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	110182	54.875	ug/L	99
29) Cyclohexane	4.590	56	64531	44.847	ug/L	99
30) 1,1,1-Trichloroethane	4.522	97	113436	50.553	ug/L	97
31) Carbon tetrachloride	4.744	117	100048	51.180	ug/L	99
33) Benzene	5.018	78	218801	49.945	ug/L	100
34) Trichloroethene	5.841	95	56293	47.957	ug/L	98
35) Methylcyclohexane	6.059	83	72601	46.611	ug/L	99
37) 1,2-Dichloropropane	6.101	63	59790	49.587	ug/L	100
38) Bromodichloromethane	6.439	83	93278	49.905	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	95334	51.274	ug/L	98
40) 4-Methyl-2-pentanone	7.165	43	201205	108.442	ug/L	99
42) Toluene	7.323	91	246180	51.940	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	99594	52.950	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	66125	50.257	ug/L	97
46) Tetrachloroethene	7.911	164	49480	49.090	ug/L	94
48) 2-Hexanone	8.082	43	162294	105.019	ug/L	96
49) Dibromochloromethane	8.185	129	75152	50.624	ug/L	97
50) 1,2-Dibromoethane	8.288	107	64503	49.308	ug/L	100
51) Chlorobenzene	8.821	112	168631	49.987	ug/L	99
52) Ethylbenzene	8.953	91	276048	50.869	ug/L	96
53) m,p-Xylene	9.079	106	107166	50.910	ug/L	99
54) o-Xylene	9.487	106	107438	51.737	ug/L	98
55) Styrene	9.503	104	198014	53.916	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	110327	51.033	ug/L	99
59) Bromoform	9.670	173	63824	48.963	ug/L	100
60) Isopropylbenzene	9.873	105	302030	50.235	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	87057	50.338	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	243834	49.339	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	242181	50.118	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	157022	50.970	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	162350	50.657	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	158923	50.841	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	26694	50.282	ug/L	92
69) 1,3,5-Trichlorobenzene	12.590	180	118324	49.685	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	102902	50.773	ug/L	99
71) Naphthalene	13.445	128	264793	50.299	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	104984	51.837	ug/L	99

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

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