

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031561.D
 Acq On : 16 Jun 2023 04:06
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050373

Quant Time: Jun 16 06:21:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 05:51:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	254422	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	243970	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	146602	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	63077	37.252	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.500%		
7) Chloroethane-d5	1.535	69	59492	40.267	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	80.540%		
11) 1,1-Dichloroethene-d2	2.066	65	33120	37.952	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.900%		
21) 2-Butanone-d5	3.799	46	121771	88.814	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	88.810%		
24) Chloroform-d	4.259	84	179338	42.290	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.580%		
26) 1,2-Dichloroethane-d4	4.950	65	113742	42.869	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.740%		
32) Benzene-d6	4.969	84	310198	45.171	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.340%		
36) 1,2-Dichloropropane-d6	5.995	67	105608	43.389	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.780%		
41) Toluene-d8	7.249	98	288531	45.786	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.580%		
43) trans-1,3-Dichloroprop...	7.558	79	51883	43.726	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.460%		
47) 2-Hexanone-d5	8.030	63	90678	94.357	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.360%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	163418	44.482	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.960%		
66) 1,2-Dichlorobenzene-d4	11.567	152	121622	43.522	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.111	85	112429	41.661	ug/L	99
3) Chloromethane	1.217	50	107192	42.094	ug/L	98
5) Vinyl chloride	1.288	62	108222	42.871	ug/L	97
6) Bromomethane	1.494	94	70632	42.930	ug/L	97
8) Chloroethane	1.555	64	68206	41.834	ug/L	97
9) Trichlorofluoromethane	1.719	101	181339	43.180	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	97564	43.350	ug/L	97
12) 1,1-Dichloroethene	2.076	96	83652	44.436	ug/L	95
13) Acetone	2.124	43	78112	57.736	ug/L	99
14) Carbon disulfide	2.249	76	253554	44.526	ug/L	100
15) Methyl Acetate	2.381	43	103666	45.511	ug/L	99
16) Methylene chloride	2.455	84	102365	43.372	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	88882	45.231	ug/L	98
18) Methyl tert-butyl Ether	2.712	73	315824	48.167	ug/L	99
19) 1,1-Dichloroethane	3.121	63	191017	45.039	ug/L	99
20) cis-1,2-Dichloroethene	3.821	96	99966	47.073	ug/L	98
22) 2-Butanone	3.879	43	125817	74.442	ug/L	95
23) Bromochloromethane	4.156	128	53691	46.773	ug/L	99
25) Chloroform	4.288	83	203180	46.085	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	153174	45.016	ug/L	99
29) Cyclohexane	4.593	56	149987	47.253	ug/L	99
30) 1,1,1-Trichloroethane	4.522	97	182093	46.552	ug/L	99
31) Carbon tetrachloride	4.744	117	158374	45.696	ug/L	98
33) Benzene	5.018	78	385526	47.463	ug/L	100
34) Trichloroethene	5.841	95	102300	47.132	ug/L	98
35) Methylcyclohexane	6.059	83	147016	45.969	ug/L	99
37) 1,2-Dichloropropane	6.098	63	109907	46.079	ug/L #	93
38) Bromodichloromethane	6.439	83	152095	47.177	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	159911	45.165	ug/L	97
40) 4-Methyl-2-pentanone	7.165	43	269629	96.272	ug/L	98
42) Toluene	7.320	91	413058	49.046	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	162774	47.208	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	106208	47.137	ug/L	99
46) Tetrachloroethene	7.911	164	79212	46.499	ug/L	97
48) 2-Hexanone	8.082	43	207240	92.650	ug/L	97
49) Dibromochloromethane	8.181	129	122427	48.888	ug/L	99
50) 1,2-Dibromoethane	8.288	107	115941	48.326	ug/L	100
51) Chlorobenzene	8.818	112	259291	46.486	ug/L	98
52) Ethylbenzene	8.953	91	456403	48.567	ug/L	100
53) m,p-Xylene	9.079	106	166898	48.497	ug/L	94
54) o-Xylene	9.484	106	160755	49.223	ug/L	99
55) Styrene	9.500	104	300494	51.520	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	172301	46.801	ug/L	99
59) Bromoform	9.670	173	90234	49.655	ug/L #	96
60) Isopropylbenzene	9.873	105	452209	48.384	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	132878	45.890	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	376486	48.739	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	347232	48.244	ug/L	98
64) 1,3-Dichlorobenzene	11.123	146	221708	47.315	ug/L	98
65) 1,4-Dichlorobenzene	11.213	146	231411	46.345	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	223790	47.320	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	39182	45.591	ug/L	93
69) 1,3,5-Trichlorobenzene	12.590	180	163738	45.860	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	144835	46.279	ug/L	99
71) Naphthalene	13.445	128	383657	48.398	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	151732	46.655	ug/L	97

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

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