

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031544.D
 Acq On : 15 Jun 2023 20:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050372

Quant Time: Jun 16 02:52:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 02:44:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	256005	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	243569	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	147385	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.285	65	70560	41.413	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.820%
7) Chloroethane-d5	1.539	69	63379	42.633	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.260%
11) 1,1-Dichloroethene-d2	2.066	65	37303	42.481	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.960%
21) 2-Butanone-d5	3.805	46	133046	96.437	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.440%
24) Chloroform-d	4.259	84	185674	43.514	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.020%
26) 1,2-Dichloroethane-d4	4.950	65	120111	44.990	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.980%
32) Benzene-d6	4.966	84	326888	47.680	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.360%
36) 1,2-Dichloropropane-d6	5.995	67	115273	47.438	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.880%
41) Toluene-d8	7.249	98	309451	49.186	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.380%
43) trans-1,3-Dichloroprop...	7.558	79	55702	47.022	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.040%
47) 2-Hexanone-d5	8.030	63	100745	105.005	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.010%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	169389	46.183	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.360%
66) 1,2-Dichlorobenzene-d4	11.567	152	133126	47.386	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.111	85	117519	43.278	ug/L	99
3) Chloromethane	1.217	50	109404	42.697	ug/L	100
5) Vinyl chloride	1.288	62	110690	43.578	ug/L	100
6) Bromomethane	1.494	94	68557	41.411	ug/L	100
8) Chloroethane	1.555	64	67326	41.039	ug/L	98
9) Trichlorofluoromethane	1.719	101	187172	44.293	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	100963	44.583	ug/L	97
12) 1,1-Dichloroethene	2.076	96	84267	44.486	ug/L	96
13) Acetone	2.130	43	84901	62.366	ug/L	97
14) Carbon disulfide	2.249	76	258507	45.116	ug/L	99
15) Methyl Acetate	2.381	43	110217	48.087	ug/L	100
16) Methylene chloride	2.455	84	101882	42.900	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	87957	44.484	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	322160	48.830	ug/L	99
19) 1,1-Dichloroethane	3.121	63	193486	45.339	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	101516	47.508	ug/L	98
22) 2-Butanone	3.883	43	135564	79.713	ug/L	99
23) Bromochloromethane	4.156	128	52896	45.795	ug/L	93
25) Chloroform	4.285	83	206829	46.622	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	159924	46.709	ug/L	97
29) Cyclohexane	4.593	56	158435	49.997	ug/L	97
30) 1,1,1-Trichloroethane	4.519	97	180716	46.277	ug/L	99
31) Carbon tetrachloride	4.744	117	161983	46.815	ug/L	99
33) Benzene	5.018	78	392461	48.396	ug/L	100
34) Trichloroethene	5.838	95	106413	49.107	ug/L	98
35) Methylcyclohexane	6.056	83	153608	48.110	ug/L	99
37) 1,2-Dichloropropane	6.098	63	111475	46.813	ug/L	100
38) Bromodichloromethane	6.439	83	152776	47.466	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	169570	47.972	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	286955	102.627	ug/L	99
42) Toluene	7.320	91	417111	49.609	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	165876	48.187	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	106639	47.406	ug/L	98
46) Tetrachloroethene	7.911	164	80531	47.351	ug/L	98
48) 2-Hexanone	8.082	43	219985	98.510	ug/L	98
49) Dibromochloromethane	8.182	129	119122	47.647	ug/L	100
50) 1,2-Dibromoethane	8.288	107	115170	48.083	ug/L	99
51) Chlorobenzene	8.818	112	266154	47.795	ug/L	99
52) Ethylbenzene	8.950	91	463783	49.434	ug/L	99
53) m,p-Xylene	9.079	106	170877	49.735	ug/L	96
54) o-Xylene	9.484	106	165618	50.796	ug/L	99
55) Styrene	9.500	104	300499	51.606	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	175750	47.817	ug/L #	96
59) Bromoform	9.670	173	90354	49.456	ug/L #	96
60) Isopropylbenzene	9.873	105	464049	49.387	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	134660	46.258	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	389079	50.101	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	366786	50.690	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	224317	47.618	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	233877	46.590	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	226547	47.648	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	39578	45.807	ug/L	97
69) 1,3,5-Trichlorobenzene	12.590	180	168502	46.943	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	151313	48.092	ug/L	98
71) Naphthalene	13.445	128	410459	51.504	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	156481	47.860	ug/L	97

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

