

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042423\
 Data File : VW030822.D
 Acq On : 25 Apr 2023 03:30
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050338

Quant Time: Apr 25 05:32:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 22 00:43:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	285916	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	274747	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	159801	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	88549	42.247	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.500%
7) Chloroethane-d5	1.536	69	70812	40.316	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.640%
11) 1,1-Dichloroethene-d2	2.066	65	42732	42.991	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.980%
21) 2-Butanone-d5	3.796	46	111035	96.448	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.450%
24) Chloroform-d	4.259	84	174575	45.960	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.920%
26) 1,2-Dichloroethane-d4	4.950	65	121741	49.851	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.700%
32) Benzene-d6	4.970	84	324968	50.027	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.060%
36) 1,2-Dichloropropane-d6	5.998	67	96698	47.923	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.840%
41) Toluene-d8	7.249	98	312711	51.273	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.540%
43) trans-1,3-Dichloroprop...	7.558	79	50343	49.502	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.000%
47) 2-Hexanone-d5	8.034	63	71012	89.337	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.340%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	137168	46.849	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.700%
66) 1,2-Dichlorobenzene-d4	11.567	152	129225	50.876	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	103167	41.968	ug/L	100
3) Chloromethane	1.217	50	127582	39.565	ug/L	98
5) Vinyl chloride	1.288	62	110844	42.636	ug/L	99
6) Bromomethane	1.491	94	55282	53.626	ug/L	98
8) Chloroethane	1.552	64	67950	38.107	ug/L	99
9) Trichlorofluoromethane	1.719	101	186430	44.246	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	96149	43.420	ug/L	99
12) 1,1-Dichloroethene	2.076	96	88109	44.010	ug/L	98
13) Acetone	2.121	43	108381	60.839	ug/L	100
14) Carbon disulfide	2.249	76	227009	40.145	ug/L	99
15) Methyl Acetate	2.378	43	103541	43.554	ug/L	98
16) Methylene chloride	2.455	84	104604	45.658	ug/L	100
17) trans-1,2-Dichloroethene	2.703	96	89717	44.391	ug/L	100
18) Methyl tert-butyl Ether	2.709	73	323968	50.044	ug/L	98
19) 1,1-Dichloroethane	3.121	63	184487	44.771	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	102940	46.822	ug/L	98
22) 2-Butanone	3.876	43	143975	78.207	ug/L	99
23) Bromochloromethane	4.159	128	56050	45.646	ug/L	96
25) Chloroform	4.288	83	194990	45.718	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	173508	48.058	ug/L	99
29) Cyclohexane	4.593	56	151093	45.826	ug/L	98
30) 1,1,1-Trichloroethane	4.523	97	180382	46.724	ug/L	99
31) Carbon tetrachloride	4.744	117	158242	45.845	ug/L	100
33) Benzene	5.018	78	389273	46.658	ug/L	100
34) Trichloroethene	5.841	95	103554	47.717	ug/L	98
35) Methylcyclohexane	6.060	83	154519	45.441	ug/L	99
37) 1,2-Dichloropropane	6.101	63	100558	44.780	ug/L	99
38) Bromodichloromethane	6.439	83	143784	45.580	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	162974	48.355	ug/L	98
40) 4-Methyl-2-pentanone	7.166	43	295091	94.071	ug/L	99
42) Toluene	7.323	91	429228	48.031	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	156336	47.213	ug/L	100
45) 1,1,2-Trichloroethane	7.777	97	102573	45.552	ug/L	98
46) Tetrachloroethene	7.912	164	87949	46.300	ug/L	98
48) 2-Hexanone	8.082	43	222338	85.901	ug/L	100
49) Dibromochloromethane	8.185	129	111237	44.785	ug/L	97
50) 1,2-Dibromoethane	8.291	107	107659	46.143	ug/L	97
51) Chlorobenzene	8.821	112	279980	47.306	ug/L	99
52) Ethylbenzene	8.953	91	474014	47.914	ug/L	100
53) m,p-Xylene	9.079	106	183280	49.046	ug/L	99
54) o-Xylene	9.487	106	177066	48.435	ug/L	99
55) Styrene	9.503	104	320033	49.837	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	161278	43.623	ug/L	99
59) Bromoform	9.674	173	89864	44.916	ug/L	99
60) Isopropylbenzene	9.876	105	490937	49.261	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	128001	44.722	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	403108	49.127	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	402107	49.080	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	242331	48.567	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	249953	47.506	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	243786	48.431	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	36282	42.787	ug/L	95
69) 1,3,5-Trichlorobenzene	12.590	180	187252	49.680	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	168163	52.547	ug/L	100
71) Naphthalene	13.448	128	495375	56.587	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	170504	53.730	ug/L	98

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

