

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030824\
 Data File : VW034530.D
 Acq On : 08 Mar 2024 15:00
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050283

Quant Time: Mar 08 23:21:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 23:17:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	263715	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	244419	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	123052	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	90262	39.482	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.960%
7) Chloroethane-d5	1.523	69	85419	47.960	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.920%
11) 1,1-Dichloroethene-d2	2.053	65	39169	37.885	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.760%
21) 2-Butanone-d5	3.776	46	206416	135.016	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	135.020%#
24) Chloroform-d	4.243	84	211948	52.435	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.860%
26) 1,2-Dichloroethane-d4	4.934	65	149275	56.513	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.020%
32) Benzene-d6	4.953	84	371991	50.428	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.860%
36) 1,2-Dichloropropane-d6	5.985	67	125694	55.834	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.660%
41) Toluene-d8	7.239	98	312716	46.845	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.700%
43) trans-1,3-Dichloroprop...	7.551	79	59959	53.038	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.080%
47) 2-Hexanone-d5	8.021	63	147265	131.001	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	131.000%#
56) 1,1,2,2-Tetrachloroeth...	10.149	84	178731	60.330	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	120.660%#
66) 1,2-Dichlorobenzene-d4	11.557	152	126827	50.424	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	103685	37.483	ug/L	98
3) Chloromethane	1.214	50	143595	52.829	ug/L	99
5) Vinyl chloride	1.281	62	118547	44.930	ug/L	99
6) Bromomethane	1.474	94	86149	54.420	ug/L	98
8) Chloroethane	1.542	64	80048	51.044	ug/L	98
9) Trichlorofluoromethane	1.709	101	153202	38.774	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	83439	39.182	ug/L	98
12) 1,1-Dichloroethene	2.066	96	84195	42.637	ug/L	95
13) Acetone	2.108	43	149344	81.258	ug/L	100
14) Carbon disulfide	2.236	76	244037	44.530	ug/L	100
15) Methyl Acetate	2.368	43	155813	66.267	ug/L	99
16) Methylene chloride	2.442	84	122533	58.499	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	93120	48.721	ug/L	96
18) Methyl tert-butyl Ether	2.699	73	421454	61.403	ug/L	100
19) 1,1-Dichloroethane	3.104	63	208546	55.700	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	114503	55.216	ug/L	100
22) 2-Butanone	3.857	43	195814	107.893	ug/L	100
23) Bromochloromethane	4.143	128	62555	58.336	ug/L	92
25) Chloroform	4.268	83	213096	54.912	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	188303	59.723	ug/L	97
29) Cyclohexane	4.577	56	127094	39.533	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	165884	47.329	ug/L	99
31) Carbon tetrachloride	4.731	117	136627	44.029	ug/L	99
33) Benzene	5.005	78	405222	53.412	ug/L	100
34) Trichloroethene	5.828	95	107456	49.827	ug/L	99
35) Methylcyclohexane	6.046	83	130713	39.869	ug/L	99
37) 1,2-Dichloropropane	6.088	63	112520	56.648	ug/L	100
38) Bromodichloromethane	6.429	83	160236	57.351	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	184857	57.442	ug/L	98
40) 4-Methyl-2-pentanone	7.153	43	387514	132.307	ug/L	100
42) Toluene	7.313	91	402755	50.160	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	175892	56.829	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	117867	61.501	ug/L	99
46) Tetrachloroethene	7.902	164	71105	44.335	ug/L	98
48) 2-Hexanone	8.069	43	287170	123.044	ug/L	99
49) Dibromochloromethane	8.172	129	119448	59.062	ug/L	99
50) 1,2-Dibromoethane	8.281	107	122937	60.450	ug/L	99
51) Chlorobenzene	8.812	112	258988	49.893	ug/L	99
52) Ethylbenzene	8.943	91	428019	47.574	ug/L	100
53) m,p-Xylene	9.072	106	159850	46.821	ug/L	98
54) o-Xylene	9.477	106	164212	49.119	ug/L	98
55) Styrene	9.493	104	291122	51.431	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	174148	60.499	ug/L	99
59) Bromoform	9.664	173	83301	61.058	ug/L	99
60) Isopropylbenzene	9.866	105	416868	47.900	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	152513	64.929	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	349120	47.556	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	355935	49.022	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	200437	49.812	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	199688	48.868	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	210083	52.103	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	44094	63.018	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	141444	46.857	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	134077	49.362	ug/L	97
71) Naphthalene	13.438	128	436412	60.065	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	141378	53.355	ug/L	100

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

