

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121423\
 Data File : VW033371.D
 Acq On : 15 Dec 2023 05:30
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050362

Quant Time: Dec 15 07:01:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 21:51:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	196039	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	198848	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	133064	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	40360	34.439	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.880%
7) Chloroethane-d5	1.532	69	31047	38.022	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.040%
11) 1,1-Dichloroethene-d2	2.060	65	17225	38.636	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.280%
21) 2-Butanone-d5	3.780	46	39309	67.533	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	67.530%
24) Chloroform-d	4.249	84	120896	48.610	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.220%
26) 1,2-Dichloroethane-d4	4.941	65	79298	51.284	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.560%
32) Benzene-d6	4.960	84	215113	46.255	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.500%
36) 1,2-Dichloropropane-d6	5.989	67	44182	35.333	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	70.660%
41) Toluene-d8	7.243	98	222900	50.243	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.480%
43) trans-1,3-Dichloroprop...	7.551	79	34282	43.356	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.720%
47) 2-Hexanone-d5	8.021	63	39803	79.235	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.230%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	80245	45.144	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.280%
66) 1,2-Dichlorobenzene-d4	11.561	152	122554	51.765	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	105778	49.364	ug/L	99
3) Chloromethane	1.214	50	44094	31.199	ug/L	98
5) Vinyl chloride	1.285	62	50200	37.036	ug/L	99
6) Bromomethane	1.487	94	33156	37.488	ug/L	98
8) Chloroethane	1.549	64	28350	39.286	ug/L	97
9) Trichlorofluoromethane	1.716	101	125836	56.262	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	51996	49.507	ug/L	88
12) 1,1-Dichloroethene	2.069	96	50444	51.325	ug/L	91
13) Acetone	2.108	43	28772	51.778	ug/L	98
14) Carbon disulfide	2.243	76	134654	38.187	ug/L	100
15) Methyl Acetate	2.372	43	30591	33.030	ug/L #	72
16) Methylene chloride	2.449	84	60635	46.591	ug/L	84
17) trans-1,2-Dichloroethene	2.696	96	62995	48.817	ug/L	86
18) Methyl tert-butyl Ether	2.703	73	202311	51.609	ug/L	95
19) 1,1-Dichloroethane	3.111	63	89462	41.887	ug/L	97
20) cis-1,2-Dichloroethene	3.815	96	77914	56.903	ug/L	87
22) 2-Butanone	3.864	43	39868	56.378	ug/L	81
23) Bromochloromethane	4.146	128	43457	55.274	ug/L #	79
25) Chloroform	4.275	83	129075	52.548	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	105113	54.153	ug/L	100
29) Cyclohexane	4.584	56	68414	37.250	ug/L #	74
30) 1,1,1-Trichloroethane	4.513	97	139231	56.656	ug/L	97
31) Carbon tetrachloride	4.735	117	136794	59.866	ug/L	99
33) Benzene	5.008	78	245995	48.819	ug/L	100
34) Trichloroethene	5.831	95	71512	47.503	ug/L	93
35) Methylcyclohexane	6.050	83	102585	46.953	ug/L	90
37) 1,2-Dichloropropane	6.092	63	47720	40.920	ug/L #	95
38) Bromodichloromethane	6.429	83	98950	52.631	ug/L	97
39) cis-1,3-Dichloropropene	6.950	75	95977	45.356	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	91918	74.235	ug/L #	85
42) Toluene	7.314	91	299417	52.731	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	100316	46.882	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	68451	50.624	ug/L	95
46) Tetrachloroethene	7.905	164	76147	58.842	ug/L	95
48) 2-Hexanone	8.072	43	66806	65.075	ug/L #	88
49) Dibromochloromethane	8.175	129	90865	56.293	ug/L	100
50) 1,2-Dibromoethane	8.281	107	71644	49.698	ug/L	98
51) Chlorobenzene	8.812	112	220031	55.104	ug/L	96
52) Ethylbenzene	8.944	91	348236	53.281	ug/L	96
53) m,p-Xylene	9.072	106	147621	57.034	ug/L	87
54) o-Xylene	9.477	106	145174	56.840	ug/L	96
55) Styrene	9.494	104	253481	57.370	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	87753	47.501	ug/L #	96
59) Bromoform	9.664	173	79390	54.972	ug/L	98
60) Isopropylbenzene	9.867	105	396936	51.736	ug/L	97
61) 1,2,3-Trichloropropane	10.207	75	72124	43.469	ug/L	95
62) 1,3,5-Trimethylbenzene	10.477	105	332062	53.718	ug/L	97
63) 1,2,4-Trimethylbenzene	10.850	105	345083	53.603	ug/L	97
64) 1,3-Dichlorobenzene	11.117	146	223226	54.460	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	229882	53.990	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	226923	56.471	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	25287	49.668	ug/L	86
69) 1,3,5-Trichlorobenzene	12.580	180	182100	55.463	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	168171	55.440	ug/L	99
71) Naphthalene	13.439	128	355714	48.085	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	162040	55.361	ug/L	97

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

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